SERVICE MANUAL

LCD HDTV MONITOR

SONY

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Revision List

Version	Release Date	Revision Instructions	TPV Model
A00	Mar.-03-2006	Initial Edition Release	EME5LGNKC6SYNMP

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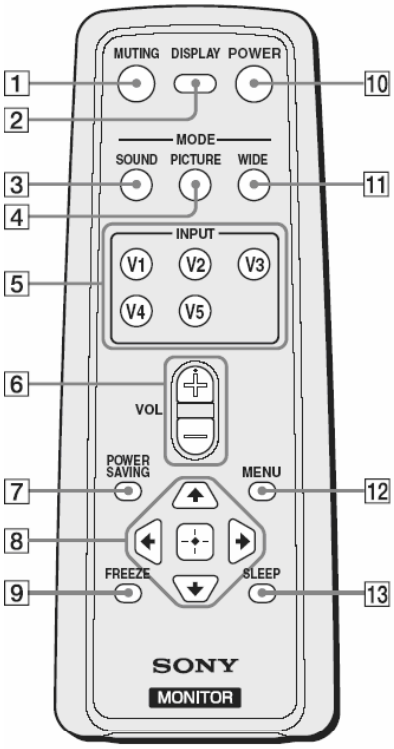
1. General Specifications

Items		Specification
LCD Panel	Screen System	40” TFT LCD color Panel
	Display Area	885.168 (H) x 497.664 (V)
	Number of Pixels	1,366 x 768 Pixel
	Pixel Pitch	0.648 (H) x 0.648 (V)
	Display Color	16.7M (8 bit-true)
VIDEO IN 1/2 (NTSC Video Standard)	S VIDEO (4-pin mini DIN)	Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative
		C: 0.286 Vp-p (Burst signal), 75 ohms
	VIDEO	1 Vp-p, 75 ohms unbalanced, sync negative
	AUDIO	500 mVrms (100% modulation) Impedance: 47 kilohms
HD/DVD IN3	YP_BP_R (Component Video)	Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative
		PB: 0.7 Vp-p, 75 ohms
		PR: 0.7 Vp-p, 75 ohms
		Signal format: 480i, 480p, 720p, 1080i
	AUDIO	500 mVrms (100% modulation) Impedance: 47 kilohms
HDMI IN 4	HDMI	Video: 480i, 480p, 720p, 1080i
		Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24 bits
	AUDIO	500 mVrms (100% modulation) Impedance: 47 kilohms
PC IN 5	Signal Input	D-Sub 15 pin, analog RGB, 0.7 Vp-p, 75ohms, positive
	Audio Input	Stereo mini jack, 500m Vrms, 47 kilohms
Audio Output	Headphones	Stereo mini jack, Impedance: 16 ohms
	Speaker	Full range: 4 × 20 cm
	Speaker output	10W + 10W
Power	Requirement	AC 110-127V, 60Hz
	Consumption	In use: 242 W, and in standby less than 1W
Dimensions	With Stand	989 × 685 × 127 mm
Environment	Operating Temp.	+0°C ~ + 35°C
	Operating Humidity	10% ~ 85%
Accessories	Rating Label, I-O Label, AC label, AC power cord, VGA cable, Supporting Belt (Include screw), User manual (US/FR), Quick Start Guide (US/FR), Remote control, Batteries, Warranty Card, Registration Card, Warranty for Canada.	

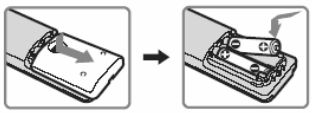
2. Operations Instructions

2.1 Remote Control Description



The VOL + button has a tactile dot. Use it as a reference when operating the unit.

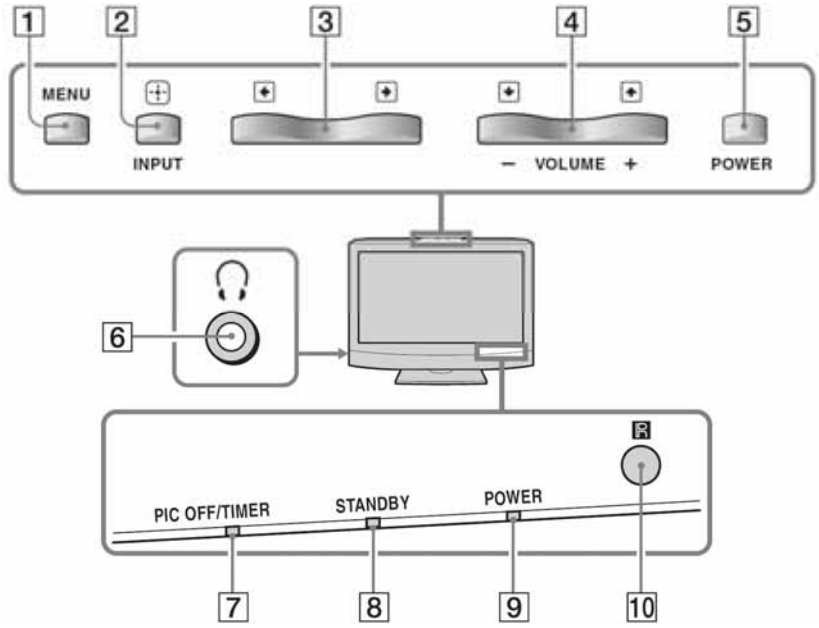
Insert two size AA batteries (supplied) by matching the ⊕ and ⊖ on the batteries to the diagram inside the remote control's battery compartment.



"Be sure to insert the ⊖ first."

Button	Description
1 MUTING	Press to mute the sound. Press again or press VOL + to restore the sound.
2 DISPLAY	Press once to display the current Video Input number and Wide Mode settings. The OSD (on screen display) will be canceled after a few seconds or press again to immediately cancel the display.
3 SOUND	Press repeatedly to cycle through the sound modes: Dynamic, Standard, SRS, Effect Off. The sound modes can be also accessed in the Sound settings.
4 PICTURE	Press repeatedly to cycle through the available picture modes: Vivid, Standard, Custom. The picture modes can be also accessed in the Picture settings.
5 INPUT V1 to V5	Press to select the external equipment connected to the unit's inputs. ✍ See setting up the video input labels, including skip function.
6 VOL +/–	Press to adjust the volume.
7 POWER SAVING	Press repeatedly to cycle through the power saving modes: Off, Low, High, Picture Off. The power saving modes can be also accessed in the Setup settings.
8 ↑/↓/←/→/⊕	Press ↑/↓/←/→ to move the on-screen cursor. To select an item, press ⊕.
9 FREEZE	Press to freeze the picture. The current program appears in the sub screen when freeze is selected. Press repeatedly to restore the picture. You can use this feature to write down information such as phone numbers, recipes, etc. ✍ Some functions will not be available in freeze.
10 POWER	Press to turn on and off the unit.
11 WIDE	Press repeatedly to cycle through the wide screen mode settings: Wide Zoom, Normal, Full, Zoom. The wide screen mode settings can be also accessed in the Screen settings.
12 MENU	Press to navigate to unit functions.
13 SLEEP	Press repeatedly until the unit displays the time in minutes (15, 30, 45, 60, 90 or 120) that you want the unit to remain on before shutting off. To cancel Sleep Timer, press SLEEP repeatedly until Sleep Timer : Off appears.

2.2 Unit Controls Indicators



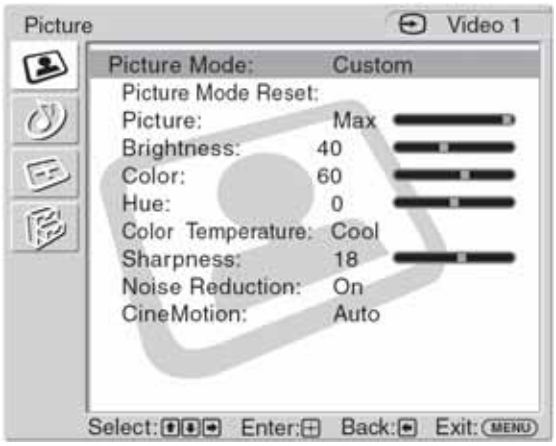
Item		Description
1	MENU	Press to display MENU. Press again to exit MENU.
2	INPUT/ ⊹	Press repeatedly to cycle through the external equipment connected to the unit's inputs. Press to select the menu options in the MENU screen.
3	◆ ◆	In the MENU screen, these buttons serve as left/right buttons.
4	◆ ◆ – VOLUME +	Press to adjust the volume. In the MENU screen, these buttons serve as up/down buttons.
5	POWER	Press to turn on and off the unit.
6	Headphones jack	Connects to your headphones. If your headphones do not match the jack, use a suitable plug adaptor (not supplied).
7	PIC OFF/TIMER LED	When lit in green, indicates that the Picture Off feature is activated. When lit in orange, indicates Sleep Timer is set.
8	STANDBY LED	Lights up in red when in the standby mode for PC inputs.
9	POWER LED	Lights up in green when the unit is turned on.
10	(IR) Infrared Receiver	Receives IR signals from the remote control.

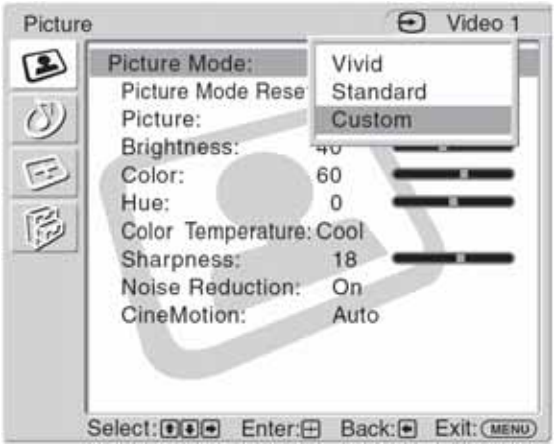
2.3 OSD Operations

Descriptions:

1. Menu panel shall be displayed by pushing the MENU button in the POWER ON condition.
2. Yellow marking on Icon of Menu shall be up or down with the ↑／↓ button.
3. Yellow marking on Icon of Main Menu be right or left with the → / ← button.
4. To choose the item or Menu, push SELECT.
5. By pushing Menu button during Menu appears, Menu panel should be disappears.

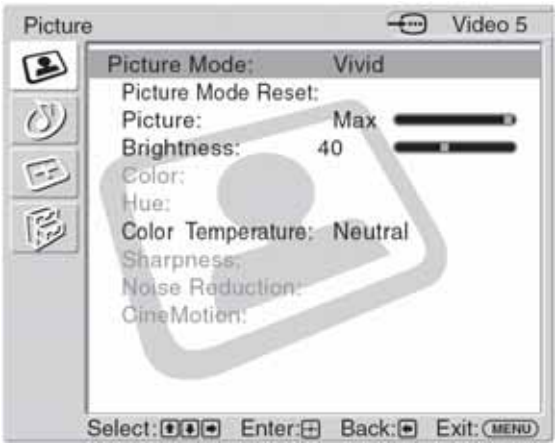
1. Picture Setting





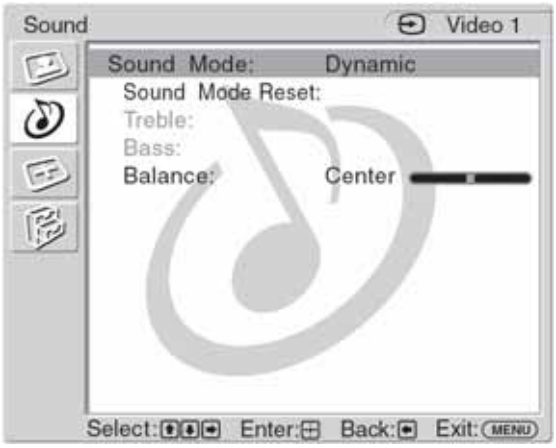
Option	Description	
Picture Mode *Customized picture viewing*	Vivid	Select for enhanced picture contrast and sharpness.
	Standard	Select for standard picture settings. Recommended for home entertainment.
	Custom	Select for professional unit like appearance settings.
Picture Mode Reset	Reset all settings and adjustments to the default setting for each Picture Mode (Vivid, Standard, Custom) (except for the options grayed out).	
Picture	Adjust to increase or decrease picture contrast.	
Brightness	Adjust to brighten or darken the picture.	
Color	Adjust to increase or decrease color intensity.	
Hue	Adjust to increase or decrease the green tones.	
Color Temperature *White adjustment*	Cool	Select to give the white colors a blue tint.
	Neutral	Select to give the white colors a neutral tint.
	Warm	Select to give the white colors a red tint.
Sharpness	Adjust to sharpen or soften the picture.	
Noise Reduction	Select to reduce the noise level of connected equipment. Select from On and Off.	
CineMotion	Select Auto to optimize the screen display automatically detecting film content and applying a reverse 3-2 pull down process. Moving picture will appear clearer and more natural looking. Select Off to disable the detection.	

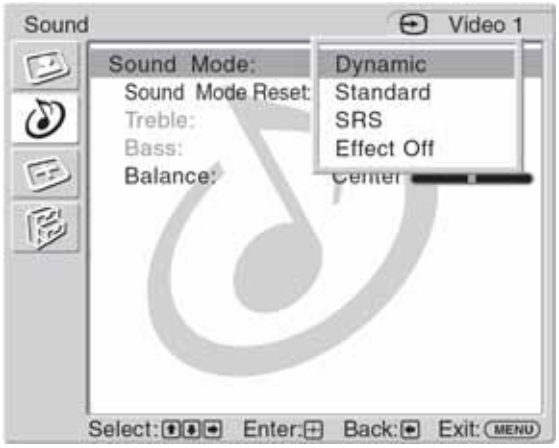
Picture Setting for PC Signal Input



Option	Description	
Picture Mode *Customized picture viewing*	Vivid	Select for enhanced picture contrast and sharpness.
	Standard	Select for standard picture settings. Recommended for home entertainment.
	Custom	Select for professional unit like appearance settings.
Picture Mode Reset	Reset all settings and adjustments to the default setting for each Picture Mode (Vivid, Standard, Custom) (except for the options grayed out).	
Picture	Adjust to increase or decrease picture contrast.	
Brightness	Adjust to brighten or darken the picture.	
Color Temperature	Cool	Select to give the white colors a blue tint.
	Neutral	Select to give the white colors a neutral tint.
	Warm	Select to give the white colors a red tint.

2. Sound Setting

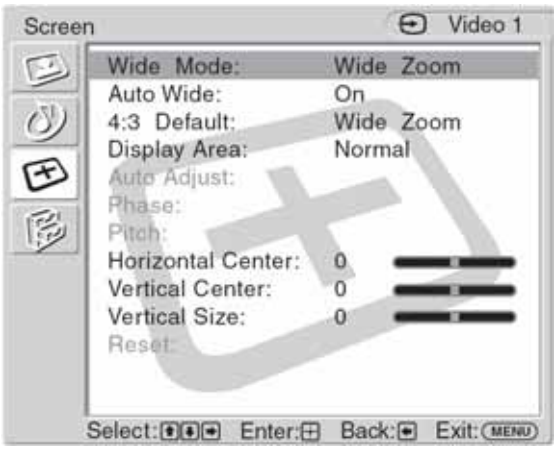


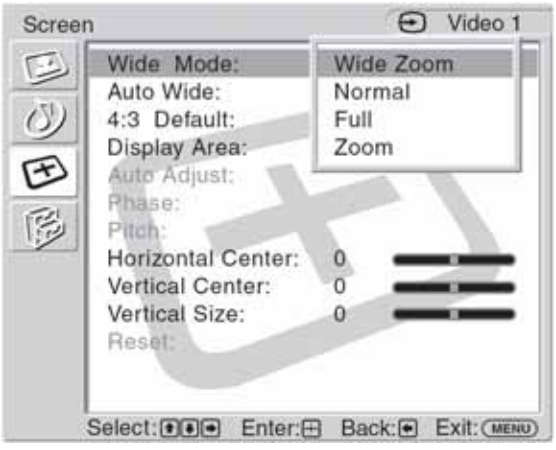


Option	Description	
Sound Mode *Customized sound listening*	Dynamic	Select to enhance treble and bass.
	Standard	Flat setting.
	SRS	Provides a panoramic stereo audio image by producing deep and rich bass tones and clear treble tones, enabling you to enjoy powerful sound effects like those in a movie theater.
	Effect Off	Normal stereo or mono reception.
Sound Mode Reset	Reset the following settings; Treble, Bass and Balance to the default setting.	
Treble*	Adjust to increase or decrease higher-pitched sounds.	
Bass*	Adjust to increase or decrease lower-pitched sounds.	
Balance	Adjust to emphasize left or right speaker balance.	

* Available when Effect Off is selected in Sound Mode.

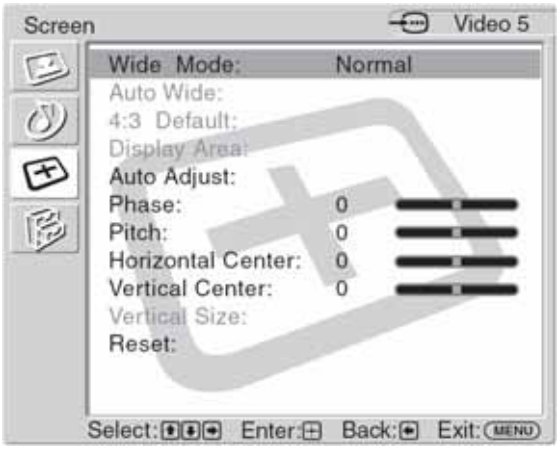
3. Screen Setting





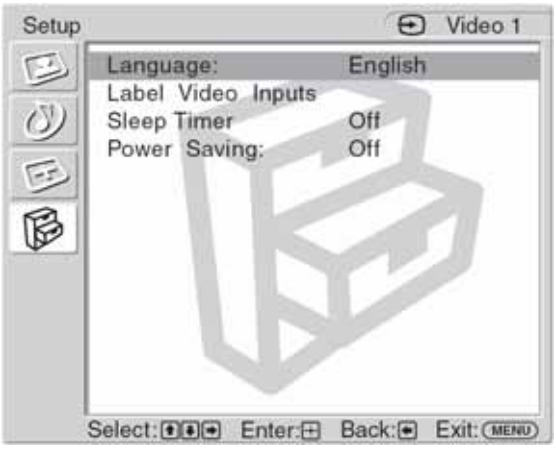
Option	Description	
Wide Mode *Select a Wide Mode to use for 4:3 sources*	Wide Zoom	Select to enlarge to fill screen with minimum distortion.
	Normal	Select to display 4:3 picture in original size when the original source is 4:3 (Standard definition source).
	Full	Select to enlarge the original picture horizontally to fill the screen when the original source is 4:3 (Standard definition source). When the original source is 16:9 (High definition source), select this mode to display 16:9 picture in original size.
	Zoom	Select to enlarge the original picture without distorting the aspect ratio.
Auto Wide	On	Select to detect the image and change it automatically to the appropriate screen mode.
	Off	The screen mode does not change automatically.
4:3 Default *Select the default Screen Mode to use for 4:3 sources*	Wide Zoom	Select to enlarge the 4:3 picture to fill the 16:9 screen, keeping the original image as much as possible.
	Normal	Select to return the 4:3 picture to its original size.
	Full	Select to enlarge the 4:3 picture horizontally only, to fill the 16:9 screen.
	Zoom	Select to enlarge the 4:3 picture horizontally and vertically to an equal aspect ratio that fills the 16:9 screen. Useful for watching Letterbox movies.
	Off	Select to continue using the current Wide Screen Mode setting when the input is changed.
Display Area	Normal	Displays a standard size picture.
	-1/-2	Allows you to adjust the viewable picture area size. This is useful for viewing ticker tape or banners at the top or bottom of the screen.
Horizontal Center	Allows you to move the position of the picture left and right in the window. This function allows for horizontal adjustment of the picture being displayed.	
Vertical Center	Allows you to move the position of the picture up and down in the window. Available only in Wide Zoom and Zoom modes. Press ↑/↓ and press ⊕ to choose a correction.	
Vertical Size	Allows you to adjust the vertical size of the picture. (Available only in Zoom mode.) Press ↑/↓ and press ⊕ to choose correction.	

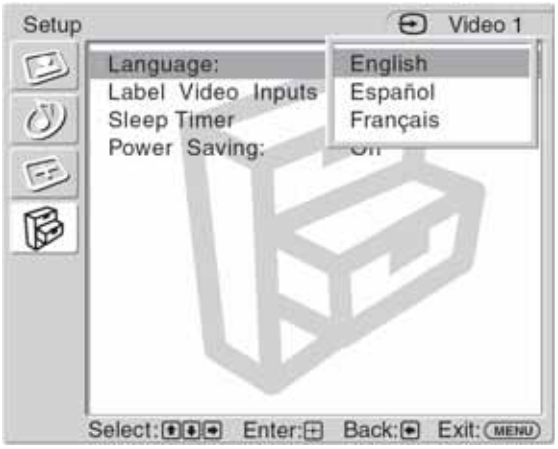
Screen Setting for PC Signal Input



Option	Description	
Wide Mode	Normal	Select to display the picture in its original size.
	Full 1	Select to enlarge the picture to fill the display area, keeping its original horizontal-to-vertical aspect ratio.
		A black frame will appear on the surrounding of the picture.
	Full 2	Select to enlarge the picture to fill the display area.
		A black frame will appear on the surrounding of the picture.
Auto Adjust	Select to automatically adjust the display position and phase of the picture when the unit receives an input signal from the connected PC. Note that Auto Adjust may not work well with certain input signals. In such cases, manually adjust the options below.	
Phase	Select to adjust the phase when the screen flickers.	
Pitch	Select to adjust the pitch when the picture has unwanted vertical stripes.	
Horizontal Center	Select to adjust the horizontal position of the picture. Allows you to move the picture left and right in the window. Press ↑/↓ and press ⊕ to choose a correction.	
Vertical Center	Select to adjust the vertical position of the picture. Allows you to move the picture up and down in the window. Press ↑/↓ and press ⊕ to choose a correction.	
Reset	Clear Wide Mode, Phase, Pitch, Horizontal Center and Vertical Center adjustments you made to the factory settings.	

4. Setup Setting





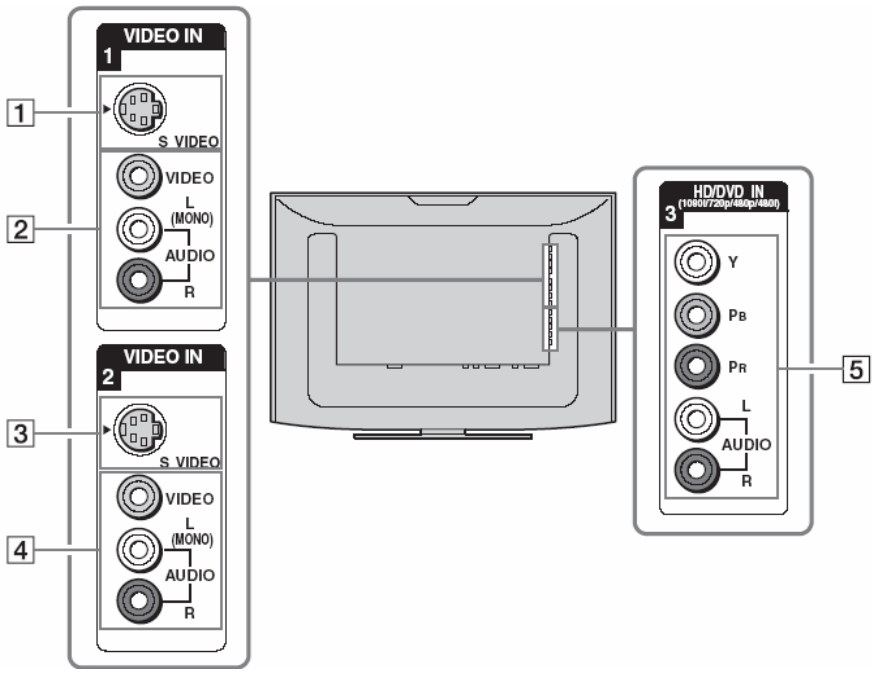
Option	Description	
Language	Select to display all on-screen Settings in your language of choice: English, Español, Français.	
Label Video Inputs	Allows you to identify A/V equipment you connected to the unit, such as a VCR, DVD, etc. For example, if you have a DVD player connected to the VIDEO 3 jack, you can select the label DVD for the VIDEO 3 input. Then when you press V3 on the remote control or press INPUT repeatedly on the top panel to select Video 3, the video label you assigned to that input appears on the screen. **1** Press ↑/↓ to highlight the video input (VIDEO 1-5) to which you want to assign a label. Then press ⊕ to select the input. **2** Press ↑/↓ to highlight one of the displayed labels. Then press ⊕ to select the label. You can select from the following labels for each input:	
	Video 1-2	Video 1-2, VHS, DVD, Satellite, Cable Box, 8mm, Game, Skip
	Video 3-4	Video 3-4, VHS, DVD, Satellite, Cable Box, Game, Skip
	Video 5	Video 5, PC, Skip
	✍ If you select Skip, your unit skips this input when you press INPUT on the top panel.	
Sleep Timer	Set the time in minutes (15 minutes, 30 minutes, 45 minutes, 60 minutes, 90 minutes, 120 minutes, or Off) that you want the unit to remain on before shutting off automatically.	
Power Saving	Off	Select to view picture without the benefit of Power Saving.
	Low/High	Select to view picture with reduced power consumption. It also enhances the black level.
	Picture Off	Select to turn off the picture. Audio stays on with your selected volume setting.

2.4 Input / Output Terminal

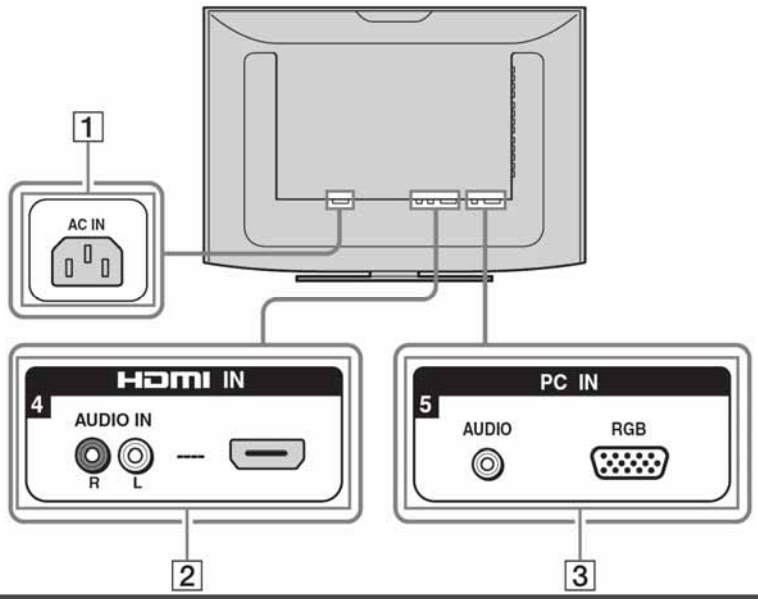
This unit includes several types of video inputs. When connecting your unit, use the inputs that are available on your devices that provide the best video performance, as described below.

Connector type		*Separate audio connection required*
HDMI	HDMI (High-Definition Multimedia Interface)	No
Y PB PR	Component video (1080i/720p/480p/480i)	Yes L-AUDIO-R
S VIDEO	S VIDEO	
VIDEO	Composite video	

✍ When both S VIDEO and VIDEO inputs are connected, the S VIDEO input is automatically selected. To view the VIDEO input, disconnect the S VIDEO cable.



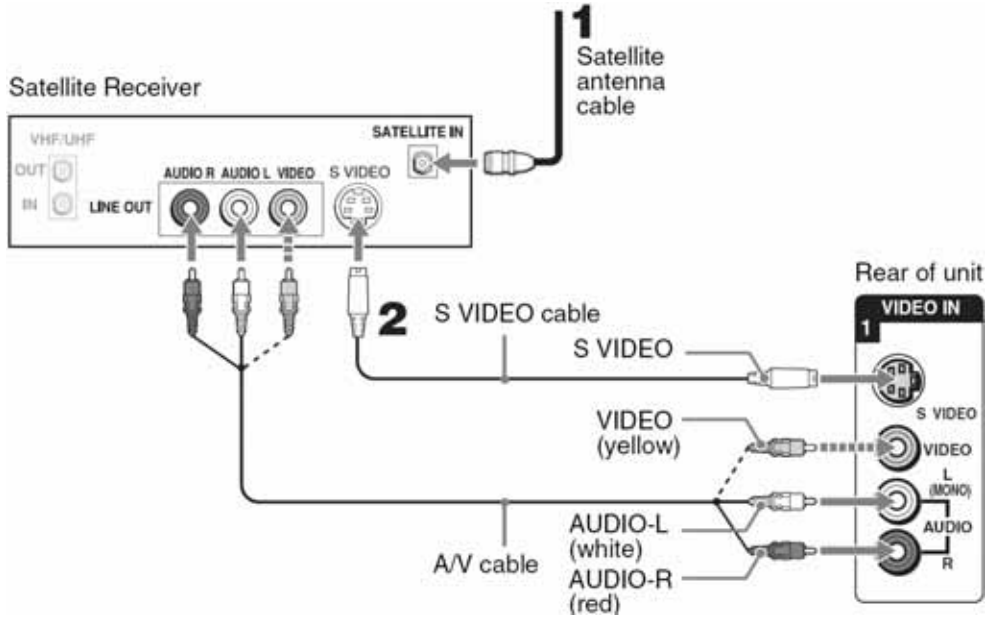
Jack		*Description*
1	VIDEO IN 1 S VIDEO	Connects to the S VIDEO output jack of your VCR or other video equipment that has S VIDEO. S VIDEO provides better picture quality than the composite video (2).
2	VIDEO IN 1 VIDEO/ L (MONO) - AUDIO-R	Connect to the composite video and audio output jacks on your VCR or other video component.
3	VIDEO IN 2 S VIDEO	Connects to the S VIDEO output jack of your VCR or other video equipment that has S VIDEO. S VIDEO provides better picture quality than the composite video (4).
4	VIDEO IN 2 VIDEO/ L (MONO) - AUDIO-R	Connect to the composite video and audio output jacks on your VCR or other video component.
5	HD/DVD IN 3 (1080i/720p/ 480p/480i)/ L-AUDIO-R	Connect to your DVD player's or digital set-top box's component video (YPBPR) and audio (L/R) jacks. Component video provides better picture quality than the S VIDEO (1, 3) or the composite video (2, 4) connections.



Jack		Description
1	AC IN	Connects the supplied AC power cord.
2	HDMI IN 4 HDMI/ R-AUDIO IN-L	HDMI (High-Definition Multimedia Interface) provides an uncompressed, all-digital audio/video interface between this unit and any HDMI-equipped audio/video component, such as a set-top box, DVD player, and A/V receiver. HDMI supports enhanced, or high-definition video, plus two-channel digital audio. The AUDIO IN (R/L) of HDMI IN is for DVI connection. See page 25 for details.
3	PC IN 5 RGB/AUDIO	Connect to a personal computer's video and audio output jacks. Can be connected to other Analog RGB devices such as Video Conferencing or Set-top Boxes. See "PC Input Signal Compatibility Chart" on page 39 for the signal to be displayed.

2.5 Connecting the unit

(1) To connect a Satellite Receiver



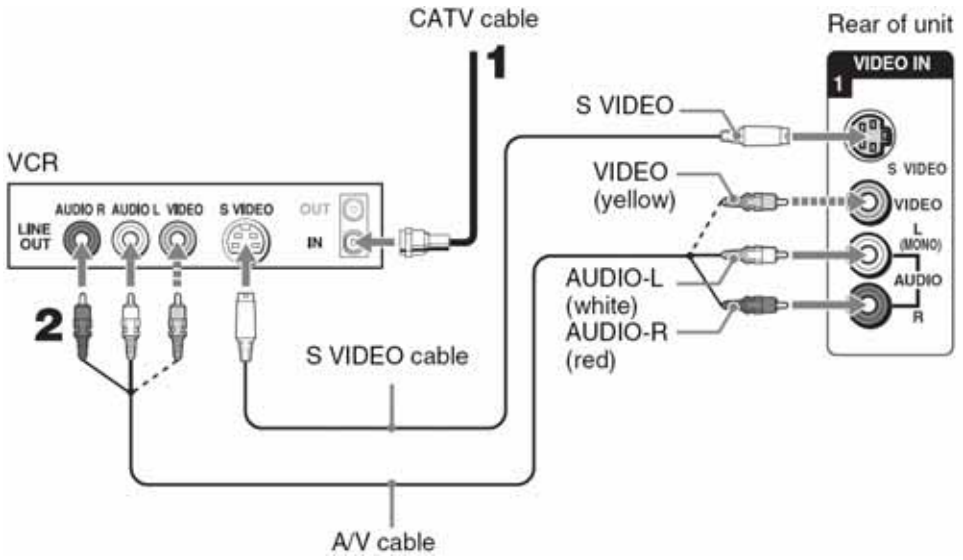
1 Connect the satellite antenna cable to the satellite receiver's satellite input jack.

2 Use an A/V and S VIDEO cables to connect the satellite receiver's AUDIO and S VIDEO output jacks to the unit's AUDIO and S VIDEO input jacks (VIDEO 1 or 2).

3. Press V1 or V2 on the remote control or Press INPUT on the top panel repeatedly to select the satellite receiver input (Video 1 or 2).

4. If your satellite receiver is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

(2) To connect the VCR and cable



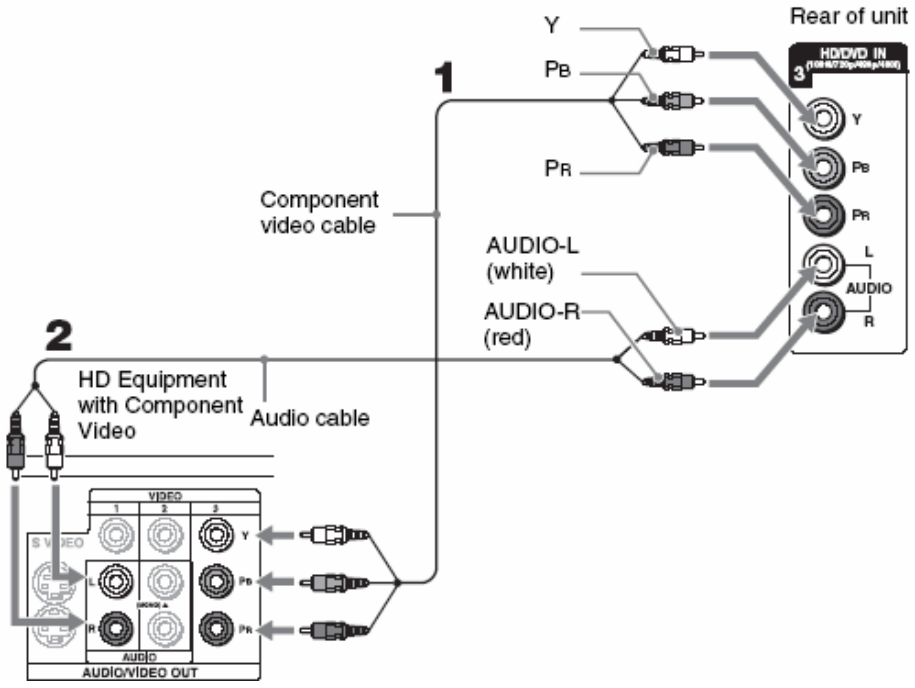
1 Connect the CATV cable to the VCR's VHF/UHF input jack.

2 Use an A/V and S VIDEO cables to connect the VCR's AUDIO and S VIDEO output jacks to the unit's AUDIO and S VIDEO input jacks (VIDEO 1 or 2).

3. Press V1 or V2 on the remote control or Press INPUT on the top panel repeatedly to select the VCR input (VIDEO 1 or 2).

4. If your VCR is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

(3) To connect a HD Equipment



1. Disconnect all power sources before making any connections.

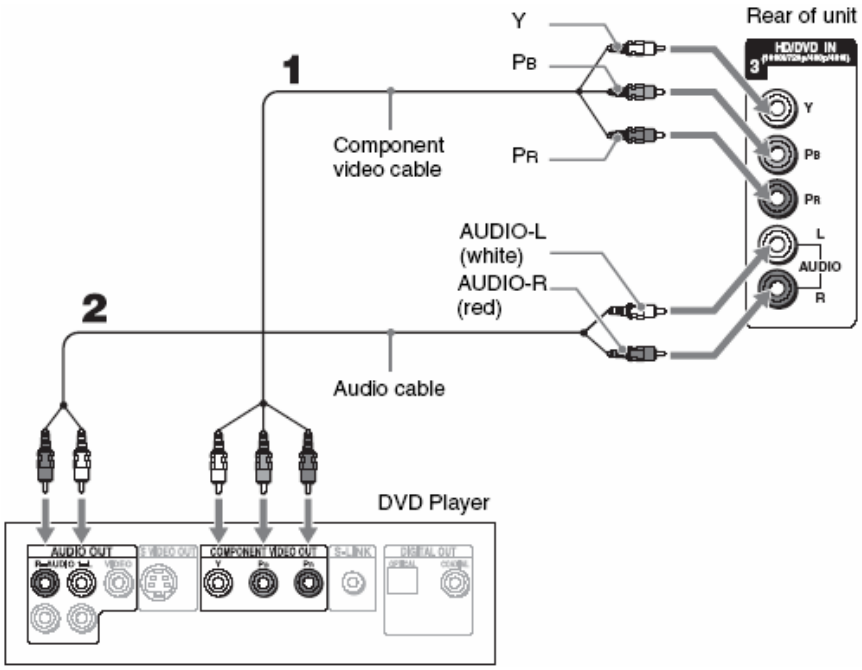
2. Using a component video cable, connect your equipment's YP_BP_R output jacks to the unit's YP_BP_R input jacks. Use the HD/DVD IN3 connections.

3. Using the audio cable, connect your equipment's AUDIO output jacks to the unit's AUDIO input jacks.

4. Some of the HD equipment you can connect to receive the broadcasting signals are digital cable box, digital satellite receiver and digital TV receiver.

5. Press V3 on the remote control or Press INPUT on the top panel repeatedly to select the HD equipment input (Video 3).

(4) To connect a DVD player with component video connectors



1. Use a component video cable to connect the DVD player's YP_BP_R output jacks to the unit's YP_BP_R input jacks. Use the HD/DVD IN3 connections.

2. The YPBPR jacks on your DVD player are sometimes labeled Y, CB and CR, or Y, B-Y and R-Y. If so, connect the cables to their matching color jacks.

3. Use an audio cable to connect the DVD player's AUDIO output jacks to the unit's AUDIO input jacks (HD/DVD IN3).

4. Press V3 on the remote control or Press INPUT on the top panel repeatedly to select the DVD player input (Video 3).

(5) To connect a DVD player with S VIDEO and audio connectors

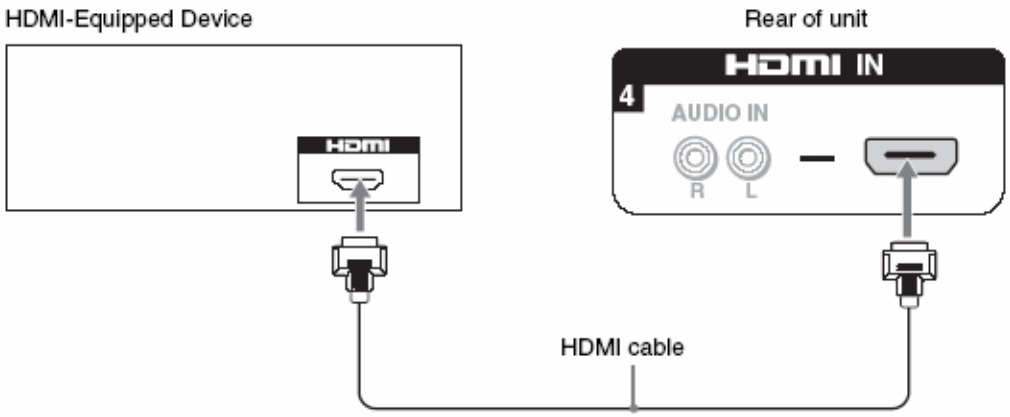
If your DVD player does not have component video (YPBPR) jacks, or the component video inputs are already connected to another device, use this connection.

1 Use an S VIDEO cable to connect the DVD player's S VIDEO output jack to the unit's S VIDEO input jack (VIDEO 1 or 2).

2 Use an audio cable to connect the DVD player's AUDIO output jacks to the unit's AUDIO input jacks (VIDEO 1 or 2).

If your DVD player is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

(6) To connect HDMI-Equipped Device



1. Use an HDMI cable to connect the device's HDMI output connector to the unit's HDMI IN connector on the rear panel.

2. HDMI cables transmit both audio and video signals. (Separate audio cables are not necessary.) You can purchase HDMI cables at your local electronics store. Do not connect a PC to the unit's HDMI input. Use the PC IN (RGB) connector instead when connecting a PC.

3. 3. Press V4 on the remote control or Press INPUT on the top panel repeatedly to select the HDMI-Equipped device equipment input (Video 4).

(7) To connect a device with DVI-HDTV connector

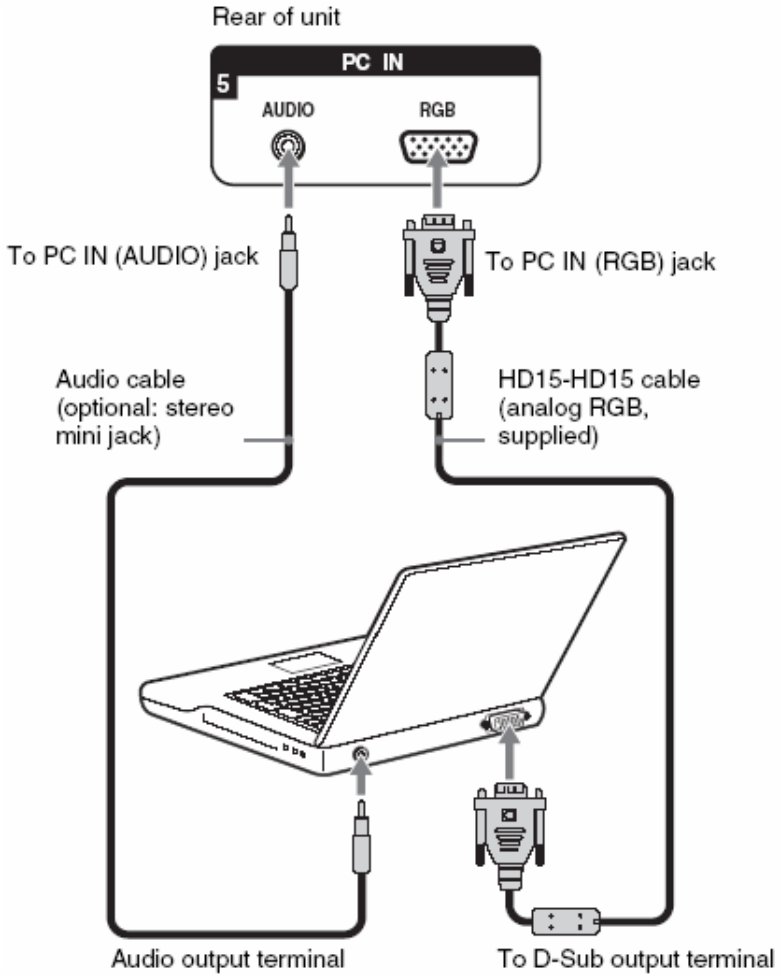
If the device does not have an HDMI connector, you can connect the unit's HDMI IN connector to the device's DVI-HDTV output connector using a DVI to HDMI adapter or cable.

1 Use a DVI to HDMI adapter or cable to connect the device's DVIHDTV output connector to the unit's HDMI IN connector on the rear panel. The DVI-HDTV VIDEO connector does not provide audio, so audio cables must be connected to provide sound when a DVI to HDMI adapter or cable is used. Do not connect a PC to the unit's HDMI input. Use the PC IN (RGB) connector instead when connecting a PC.

2 Use an Audio cable to connect the device's AUDIO output jacks to the unit's AUDIO input jacks on the rear panel.

3. Press V4 on the remote control or Press INPUT on the top panel repeatedly to select the DVI-HDTV-equipped device input (Video 4).

(8) To connect a PC (personal computer)

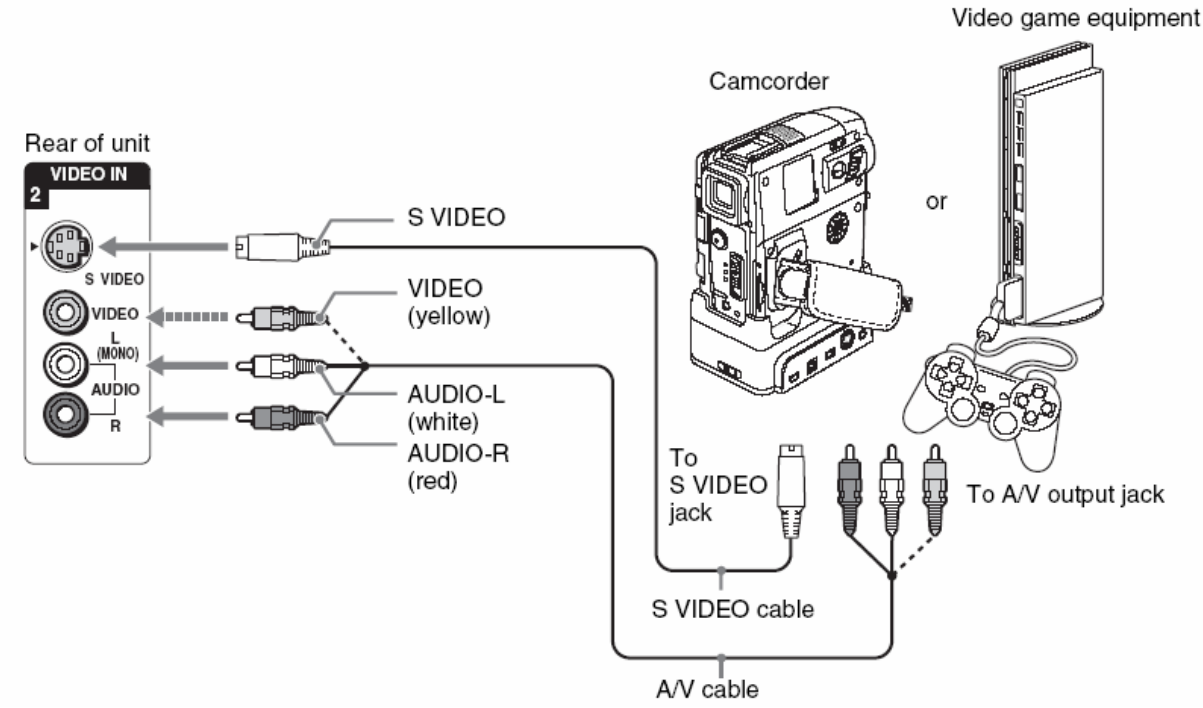


If you connect your PC to the unit, you can watch your personal computer's display on the unit.

When your PC is connected to the unit with the supplied HD15-HD15 cable and optional audio cable, you can view and listen to the PC's video and audio output on the unit.

Press V5 on the remote control or Press INPUT on the top panel repeatedly to select the PC input (Video 5).

(9) To connect a camcorder or video game equipment



1. Use an A/V and S VIDEO cables to connect the camcorder or video game equipment AUDIO and S VIDEO output jacks to the unit's AUDIO and S VIDEO input jacks (VIDEO 1 or 2) on the rear of panel.

2. If your camcorder is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

If you have a mono camcorder, connect its audio output jack to the unit's L MONO audio input jack.

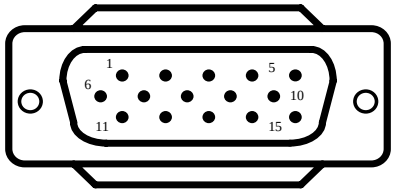
3. Press V1 or V2 on the remote control or Press INPUT on the top panel repeatedly to select the camcorder or game input (Video 1 or 2).

3. Input /Output Specification

3.1 PC Input Signal Connector

Lay the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduct ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.

Connect the 15-pin D-SUB color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



15 - Pin Color Display Signal Cable

Pin No.	Descriptions	Pin No.	Descriptions
1	Red Video	9	+5V
2	Green Video	10	VGA-CAB
3	Blue Video	11	GROUND
4	TXD	12	SGA-SDA
5	GROUND	13	Horizontal Sync.
6	Red Video Ground	14	Vertical Sync.
7	Green Video Ground	15	VGA-SCL
8	Blue Video Ground		

Apply power to the display by turning the power switch to the "ON" position and allow about ten seconds for Panel warm-up. The Power-On indicator lights "GREEN" when the display is on.

With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display, or press auto-adjust to get the best picture-quality.

This TV (with PC function) has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.

If your TV requires service, it must be returned with the power cord.

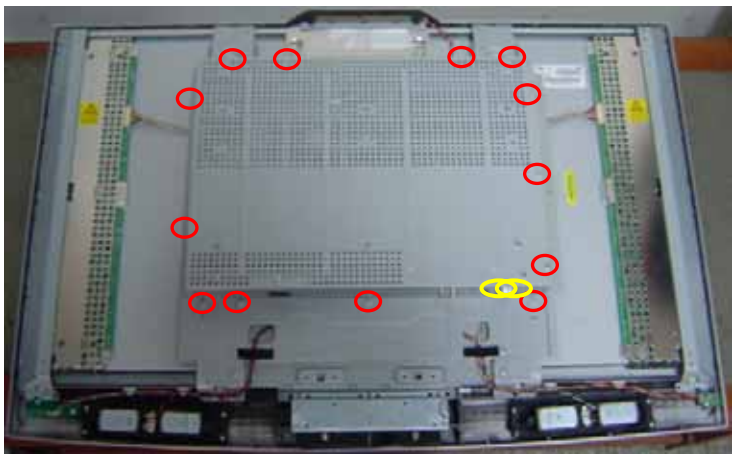
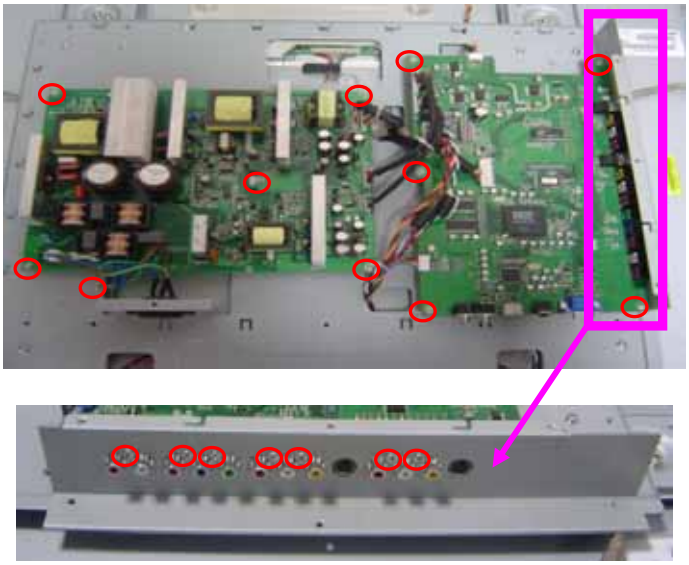
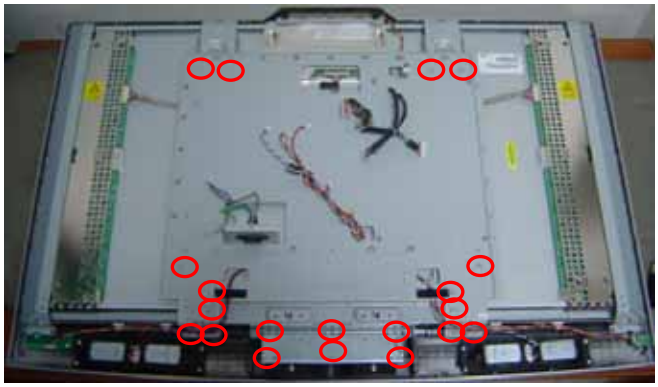
3.2 Signal Timing

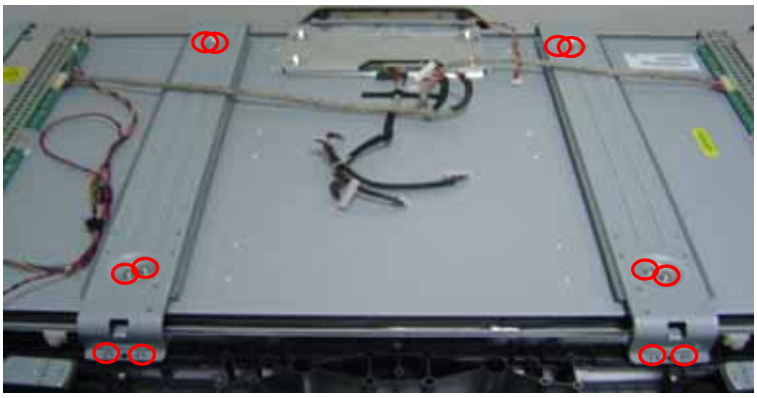
- Video signal is NTSC 3.58 format (15.7 kHz, 60 Hz) with 7.5% IRE setup.
- Component signal is 480i, 480p, 1080i and 720p.
- HDMI signal is VGA, 480i, 480p, 1080i and 720p.
- Supported PC Input Signals Table:

Resolution			Horizontal Frequency (kHz)	Vertical Frequency (Hz)
Signal Name	Horizontal[Pixel]	Vertical[Pixel]		
VGA	640	480	31.5	60
	640	480	37.9	72
	640	480	37.5	75
DOS TEXT	720	400	31.5	70
SVGA	800	600	35.2	56
	800	600	37.9	60
	800	600	46.9	75
	800	600	48.1	72
	848	480	31.0	60
XGA	1024	768	48.4	60
	1024	768	56.5	70
	1024	768	60.0	75
WXGA	1280	768	47.4	60
	1280	768	47.8	60
	1280	768	60.3	75
	1360	768	47.7	60

4. Disassembly Instructions

Step	Figure	Description
Preparation		Lay the monitor face down on a stable, soft and level surface with the Tabletop Stand hanging over the edge of the surface.
Remove the Tabletop Stand		Remove the six screws as shown on the left, and remove the Tabletop Stand from the unit.
Disassemble the back cover		Remove the screws marked in red and then disassemble the back cover.

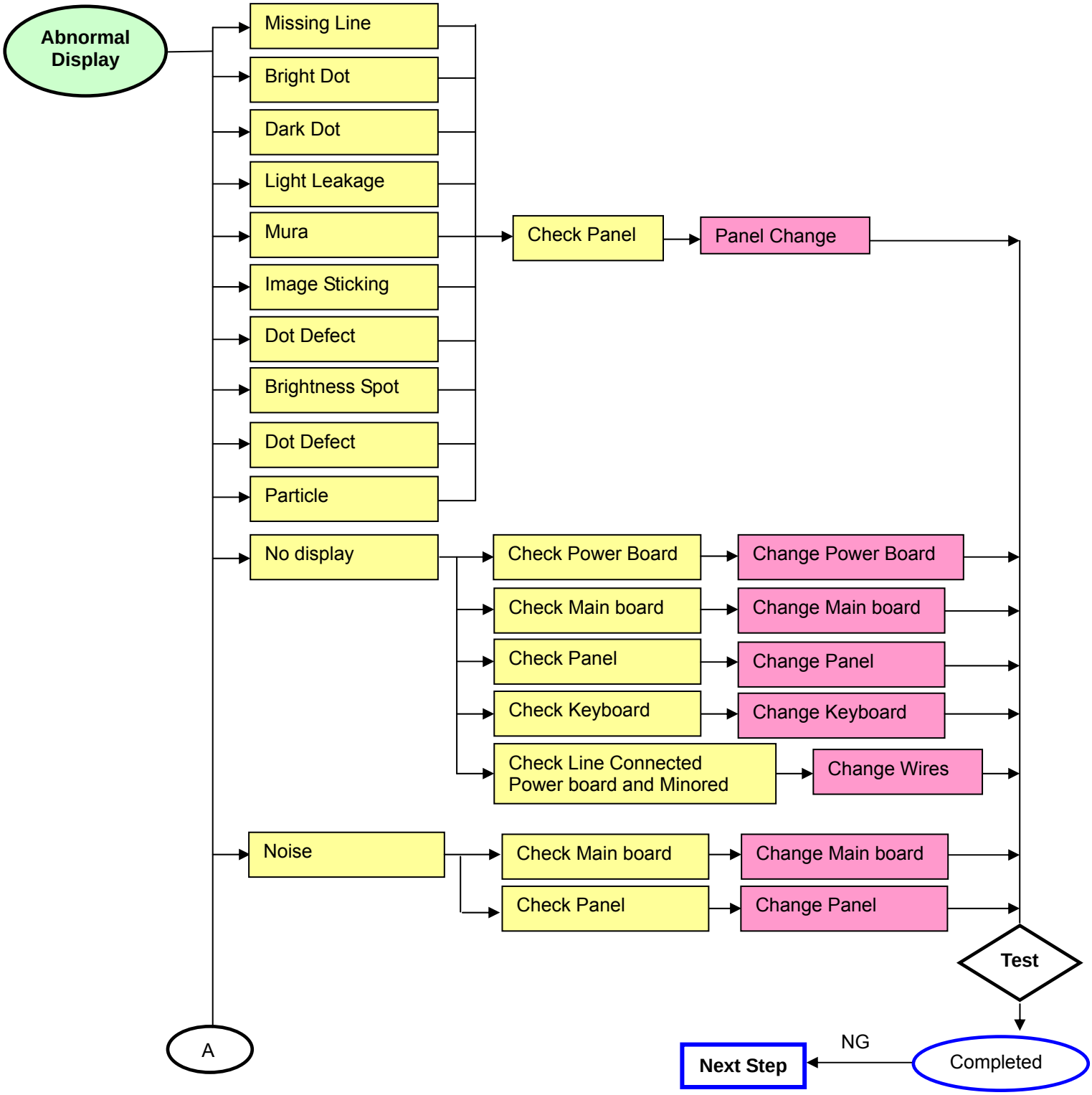
Remove the shield		Remove the screws marked in red to disassemble the shield.
Disassemble the main board and the power board.		Remove the screws marked in red to disassemble the main frame and the adapter board.
Remove the main frame		Remove the screws and then remove the bracket stand.

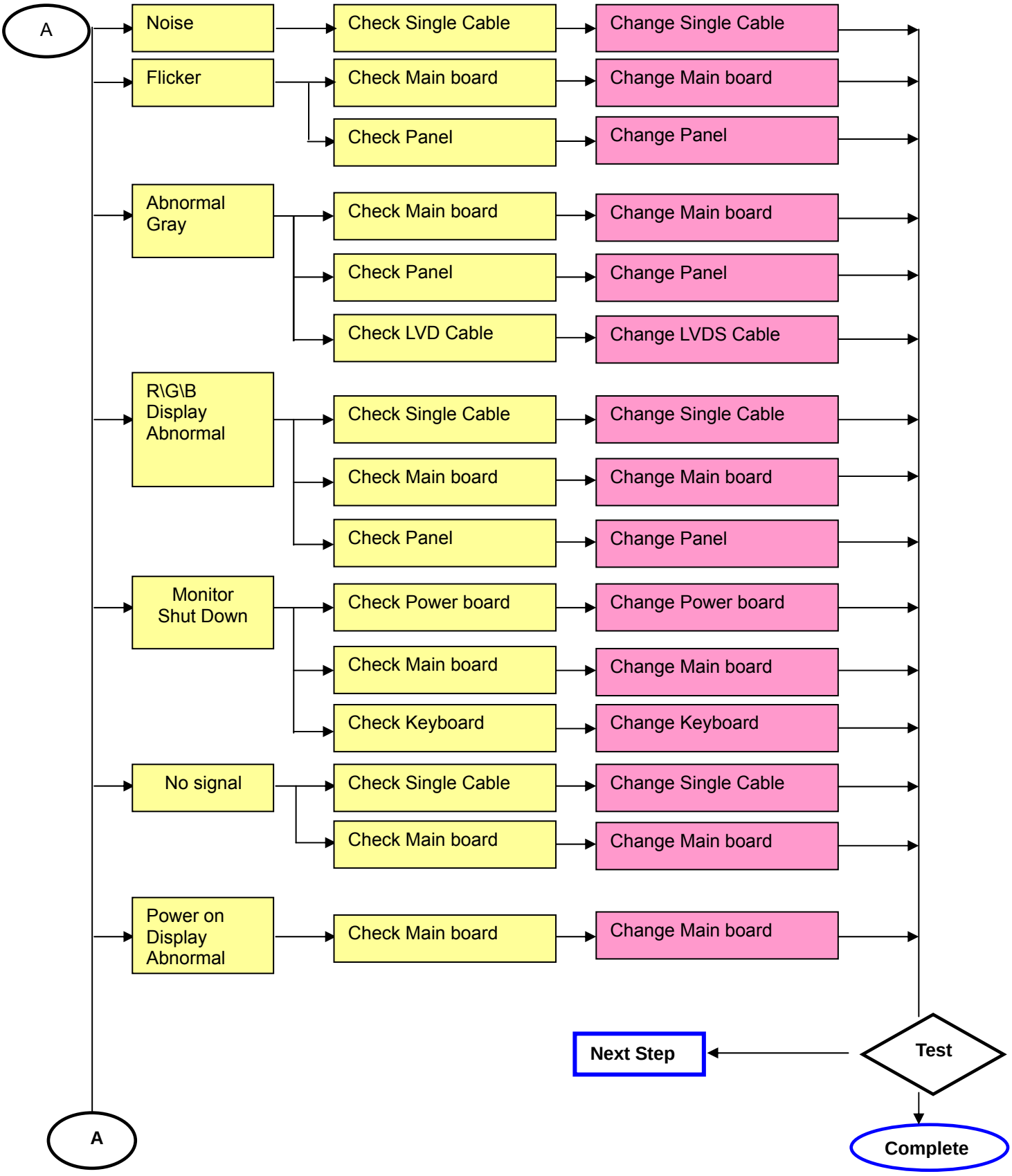
	  	Remove the screws marked in red and then the main frame can be disassembled.
Remove the bezel	 	Wring down the screws of locked the panel, then you can see the bare panel as follows: Remark: (Please be careful, not to scart the panel)

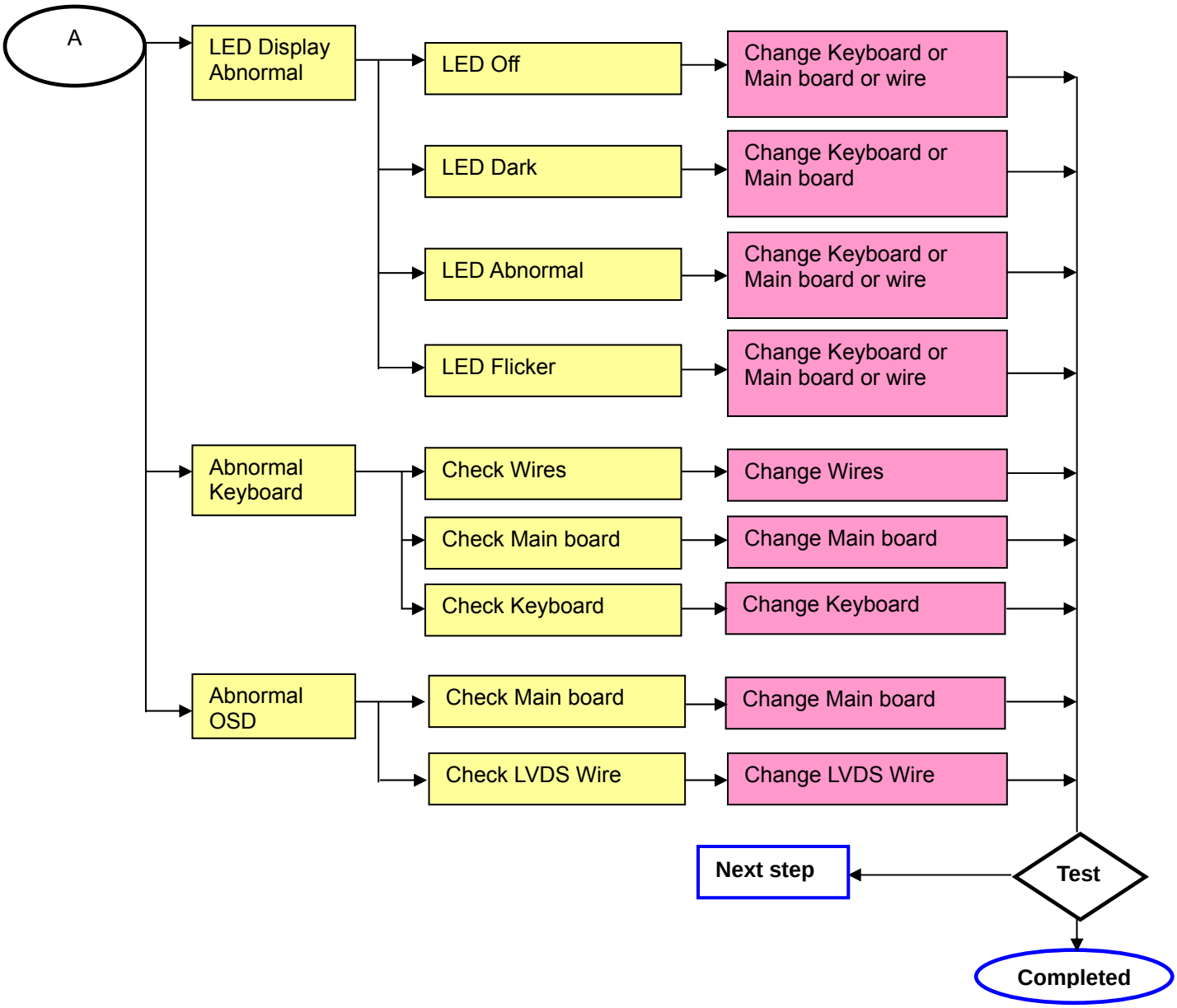
The end		N/A

5. Repair Flow Chart

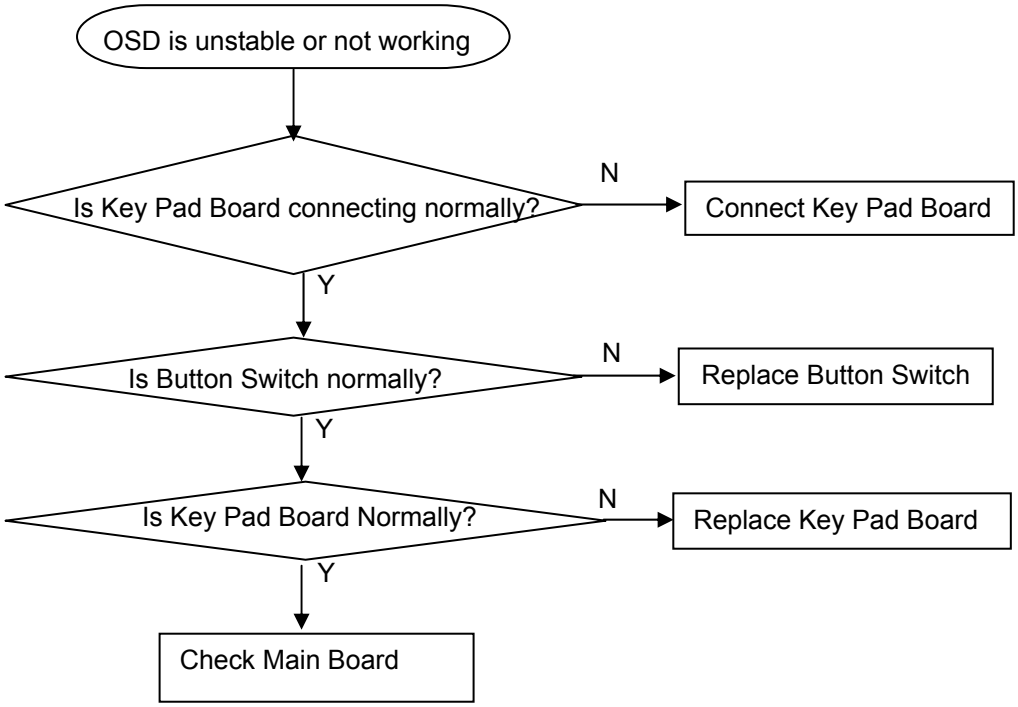
Defect Mode	Failure Analysis	Repair	Testing




A
Noise
Check Single Cable
Change Single Cable
Flicker
Check Main board
Change Main board
Check Panel
Change Panel
Abnormal Gray
Check Main board
Change Main board
Check Panel
Change Panel
Check LVD Cable
Change LVDS Cable
R\G\B Display Abnormal
Check Single Cable
Change Single Cable
Check Main board
Change Main board
Check Panel
Change Panel
Monitor Shut Down
Check Power board
Change Power board
Check Main board
Change Main board
Check Keyboard
Change Keyboard
No signal
Check Single Cable
Change Single Cable
Check Main board
Change Main board
Power on Display Abnormal
Check Main board
Change Main board
Next Step
Test
Complete
A


A
LED Display Abnormal
LED Off
Change Keyboard or Main board or wire
LED Dark
Change Keyboard or Main board
LED Abnormal
Change Keyboard or Main board or wire
LED Flicker
Change Keyboard or Main board or wire
Abnormal Keyboard
Check Wires
Change Wires
Check Main board
Change Main board
Check Keyboard
Change Keyboard
Abnormal OSD
Check Main board
Change Main board
Check LVDS Wire
Change LVDS Wire
Test
Next step
Completed

Key Board


OSD is unstable or not working
Is Key Pad Board connecting normally?
N
Connect Key Pad Board
Y
Is Button Switch normally?
N
Replace Button Switch
Y
Is Key Pad Board Normally?
N
Replace Key Pad Board
Y
Check Main Board

6. White Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up the unit before proceeding white balance adjustment.

1. Preparation

Connect power cable for Chroma-C210 and K8256, then start industrial PC;

Connect Chroma-C210 and 480i signal source to PC in their Power off status;

Connect one terminal of 480i signal cable to the signal source, the other one should be in suitable condition; Power on all signal sources;

Focus the camera lens on 0-cal (closed) while turn on Chroma-C210, press 0-CAL for calibrating（00 channel）, after the panel digits of Chroma-C210 flash, focus the camera lens on MEAS; meanwhile, the lens close to TV.

2. Operation Steps:

a. Connect the signal cables to the corresponding input jack.

b. Color temperature adjustment:

1) Press “MENU” button to enter OSD, and complete the following processes:

Power saving: OFF

Select picture vivid;

Activate picture reset function;

2) adjust White Balance for cool temperature;

Select Cool color temperature in the OSD menu, and press OK-OK-MUTE-OK-MUTE-MENU to enter into factory mode;

Exchange Timing 78, pattern 45 (480i, 65% white) for K-8256, fix GG=240, decrease RG, BG (if G<240, B=255), X=0.2728+/-0.002，Y= 0.2660+/-0.002 (RG, GG, BG<=255).

Exchange TIMING78，PATTERN46（480i,30%WHITE）for K-8256, if GO or BO or RO=125, adjust the other three factors to make X=0.2728+/-0.003，Y=0.2660+/-0.003 (RO, GO, BO<=125)

Repeat the above two steps to meet X＝0.2728＋/-0.002，Y＝0.2660+/-0.002 at 65% white and X＝0.2728＋/-0.003，Y＝0.2660+/-0.003 at 30% white.

3) adjust White Balance for neutral temperature;

Select neutral color temperature in the OSD menu, and press OK-OK-MUTE-OK-MUTE-MENU to enter into factory mode;

Exchange Timing 78, pattern 45 (480i, 65% white) for K-8256, if GG or BG or RG≥253, adjust the other three factors to make X=0.2900+/-0.002，Y= 0.2920+/-0.002 (RG, GG, BG<=255).

Exchange TIMING78，PATTERN46（30%WHITE）for K-8256, if GO or BO or RO=125, adjust the other three factors to make X=0.2900+/-0.003，Y=0.2940+/-0.003(RO,GO,BO<=125)

Repeat the above two steps to meet X＝0.2900＋/-0.002，Y＝0.2920+/-0.002 at 65% white and X＝0.2900＋/-0.003，Y＝0.2940+/-0.003at 30% white.

4) adjust White Balance for warm temperature;

Select warm color temperature in the OSD menu, and press OK-OK-MUTE-OK-MUTE-MENU to enter into factory mode;

Exchange Timing 78, pattern 45 (480i, 65% white) for K-8256, if GG or BG or RG≥253, adjust the other three factors to make X=0.3190+/-0.002, Y=0.3250+/-0.002 (RG, GG, BG<=255).

Exchange TIMING78，PATTERN46 (30%WHITE) for K-8256, if GO or BO or RO=125, adjust the other three factors to make X=0.3200+/-0.003, Y=0.3270+/-0.003(RO, GO, BO<=125)

Repeat the above two steps to meet X＝0.3190＋/-0.002，Y＝0.3250+/-0.002 at 60% white and X＝0.3200＋/-0.003 Y＝0.3270+/-0.003 at 30% white.

7. BOM List

Location	Part No. for TPV	Description	Quantity	Unit
	011T6049 2 GP	WIRE MOUSE	4.000	PCS
	015T6326 1 GP	MAIN FRAME	1.000	PCS
	015T6327 1 GP	BKT-MAIN	2.000	PCS
	015T6328 1 GP	BKT-SIDE	2.000	PCS
	015T6329 1 GP	BKT-TOP	1.000	PCS
	015T6330 1 GP	BKT-LINK	1.000	PCS
	033T4832 UD A GP	CLIP CABLE	1.000	PCS
	033T4960 UD A GP	COVER STAND	1.000	PCS
	040T 457834 4A GP	S/N LABEL	1.000	PCS
	040T 581834 1B GP	IO LABEL	1.000	PCS
	040T 581834 4A GP	AC IN LABEL	1.000	PCS
	040T 582834 1A GP	CARTON LABEL	1.000	PCS
	044T4001 1 GP	EPS-1	1.000	PCS
	044T4001 2 GP	EPS-2	1.000	PCS
	044T4001 3 GP	EPS	1.000	PCS
	044T4001 4 GP	EPS	1.000	PCS
	044T4001834 1A GP	CARTON	1.000	PCS
	044T4001BLO001 GP	PAPER SHEET	1.000	PCS
	044T6000 4 6B GP	SPACE PAPER	1.000	PCS
	044T600260811A GP	PAPER BOARD	1.000	PCS
	044T9003 2 GP	CORNER PAPER	1.000	PCS
	044TSLIP00113A GP	PAPER SLIP SHEET	1.000	PCS
	045T 99609 16 GP	EPP BAG	1.000	PCS
	050T 500502 GP	CABLE TIE	3.000	PCS
	052T 1185 GP	MIDDLE TAPE FOR CARTON	150.000	CM
	052T 1207 A GP	ALUMINIUM TAPE	4.000	PCS
	052T6022 27 GP	SMALL TAP	20.000	MM
	085T 583114 GP	GASKET	2.000	PCS
	085T6150 1 GP	SHIELD-MAIN	1.000	PCS
	089T1738LAA 17 GP	SIGNAL CABLE	1.000	PCS
	089T402A18N IS GP	POWER CORD 1.8M	1.000	PCS
	095T 900621 GP	WIRE HARNESS	1.000	PCS
	095T8014 2517 GP	WIRE HARNESS	1.000	PCS
	095T8014 3530 GP	WIRE HARNESS	1.000	PCS
	095T8014 5558 GP	WIRE HARNESS	1.000	PCS
	095T8014 7509 GP	WIRE HARNESS	1.000	PCS
	095T8014 8580 GP	HARNESS 8P-8P	1.000	PCS
	095T8014 12542 GP	HARNESS 12P-12P	1.000	PCS
	095T8014 14650 GP	WIRE HARNESS	1.000	PCS
	095T8014 14651 GP	WIRE HARNESS	1.000	PCS
	095T8018 30107 GP	LVDS CABLE	1.000	PCS
	0M1T 130 6225 GP	SCREW	2.000	PCS
	0M1T 940 8125 GP	SCREW	10.000	PCS
	0M1T1140 6120 GP	SCREW	1.000	PCS
	0M1T1730 6120 GP	SCREW	5.000	PCS
	0M1T1730 6120 GP	SCREW	5.000	PCS
	0M1T1740 8120 GP	SCREW	10.000	PCS
	0M1T1740 8120 GP	SCREW	1.000	PCS
	0M1T1740 8120 GP	SCREW	10.000	PCS
	0M1T1740 8120 GP	SCREW	2.000	PCS
	0M1T1740 8120 GP	SCREW	3.000	PCS
	0M1T1740 8120 GP	SCREW	2.000	PCS
	0M1T1740 12 47 GP	SCREW	1.000	PCS

	0M1T1740 12 47 GP	SCREW	9.000	PCS
	0M1T1750 10120 GP	SCREW	8.000	PCS
	0Q1T 330 6120 GP	SCREW	1.000	PCS
	0Q1T 330 6120 GP	SCREW	1.000	PCS
	0Q1T 340 10120 GP	SCREW	12.000	PCS
	0Q1T 340 10120 GP	SCREW	6.000	PCS
	0Q1T 340 10120 GP	SCREW	3.000	PCS
	0Q1T 340 10120 GP	SCREW	8.000	PCS
	0Q1T 340 10120 GP	SCREW	2.000	PCS
	0Q1T 340 12 47 GP	SCREW	8.000	PCS
	0Q1T 340 12 47 GP	SCREW	2.000	PCS
	705LME5FB34001	BACK COVER ASS'Y	1.000	PCS
	705T 400 87S01	AC SOCKET ASS'Y	1.000	PCS
	750TVSS0W26 11	SEC 40" W2-L02 PANEL	1.000	PCS
	ADPC18250S1P	ADAPTER ASS'Y	1.000	PCS
	CBPFEM5KLGSFNP	CONVERSION BOARD	1.000	PCS
	EFPFJA2SFP	RCA&EARPHOME	1.000	PCS
	Q40T 400834 1A GP	RATING LABEL	1.000	PCS
	Q44T9003 82 GP	CORNER PAPER	1.000	PCS
	Q52T6025 15154 GP	MYLAR	1.000	PCS
	011T7002 1 GP	SUPPORT BELT	1.000	PCS
	040T 58162435A GP	LABEL	2.000	PCS
	041T780083457A GP	PRODUCT REGISTRATION	1.000	PCS
	041T788083410A GP	WARRANTY FOR CANADA	1.000	PCS
	041T788083411A GP	WARRANTY CARD	1.000	PCS
	045T 76 28A03 GP	PE BAG FOR MANUAL	1.000	PCS
	092TB1TX1A21GY GP	BATTERY 1.5V CARBON-ZINC AA	2.000	PCS
	098TR7SWDNESNK GP	REMOTE CONTROL	1.000	PCS
	Q41T780083466B GP	Manual	1.000	PCS
	Q41T780083467B GP	Manual	1.000	PCS
	Q41T780083468A GP	QSG-E	1.000	PCS
	Q41T780083469A GP	QSG-F	1.000	PCS
	011T 176 1 RL GP	WIRE HOLDER	1.000	PCS
	015T6331 1 GP	BKT-STAND	1.000	PCS
	015T6332 1 GP	BKT-BASE	1.000	PCS
	020T6024 1 GP	STAND	1.000	PCS
	023T317883412A GP	SONY LOGO	1.000	PCS
	033T4957 UE A GP	BUTTON_FUNC	1.000	PCS
	033T4961 1 C GP	LENS	1.000	PCS
	034T1779BUC A GP	BEZEL	1.000	PCS
	034T1780 UD A GP	REAR COVER	1.000	PCS
	034T1781 UC A GP	BASE	1.000	PCS
	040T 581834 2A GP	EPA LABEL	1.000	PCS
	040T 581834 3A GP	HDTV LABEL	1.000	PCS
	040T 581834 5A GP	POP LABEL	1.000	PCS
	052T 3 11 GP	GLUE	1.000	PCS
	052T6020500 GP	protect film	1.000	PCS
	078T 449 2 GP	SPK 8OHM 15W FOSTER	2.000	PCS
	095T 900621 GP	WIRE HARNESS	1.000	PCS
	095T8014 5559 GP	WIRE HARNESS	1.000	PCS
	0B1T1030 6128 GP	SCREW	2.000	PCS
	0B1T2340 6120 GP	SCREW	14.000	PCS
	0M1T 140 8125 GP	SCREW	4.000	PCS
	0Q1T 330 6120 GP	SCREW	3.000	PCS
	0Q1T 340 10120 GP	SCREW	8.000	PCS
	IRPFJA2SFP	IR BOARD	1.000	PCS
	KEPFJA4SFP	KEY BOARD	1.000	PCS

	Q12T7012 2 GP	FOOT-PORON	8.000	PCS
	QM1T3840 10125 GP	SCREW	1.000	PCS
	QM1T3840 10125 GP	SCREW	5.000	PCS
	W33T4956CUD A GP	KEY PLATE	1.000	PCS
	087T 501 7 RF GP	AC SOCKET	1.000	PCS
	095T8021 3522 GP	WIRE HARNESS	1.000	PCS
	096T 29 8 GP	SHRINK TUBE UL/CSA	60.000	MM
CN931	033T3802 8 GP	CONNECTOR	1.000	PCS
CN950	033T3802 12 GP	CONNECTOR	1.000	PCS
CN952	033T3802 14 GP	WAFER B14B-PH-K-S	1.000	PCS
CN951	033T3802 14 GP	WAFER B14B-PH-K-S	1.000	PCS
CN901	033T8029 3A GP	WAFER 3.96MM BY JST B2P3-VH	1.000	PCS
IC955	056T 139 3A	PC123Y22FZOF	1.000	PCS
IC952	056T 139 3A	PC123Y22FZOF	1.000	PCS
IC934	056T 139 3A	PC123Y22FZOF	1.000	PCS
IC932	056T 139 3A	PC123Y22FZOF	1.000	PCS
RV901	061T 46 12 GP	VARISTOR 680V TNR15G681K	1.000	PCS
RV902	061T 46 12 GP	VARISTOR 680V TNR15G681K	1.000	PCS
NR901	061T 58050 WT GP	NTCR 5 OHM	1.000	PCS
R983	061T 208100 64	100HM 5% 1W	1.000	PCS
R984	061T 208100 64	100HM 5% 1W	1.000	PCS
R985	061T 208100 64	100HM 5% 1W	1.000	PCS
R986	061T 208100 64	100HM 5% 1W	1.000	PCS
R1002	061T 20810258F GP	1K OHM 5% 1W	1.000	PCS
R1003	061T 20810258F GP	1K OHM 5% 1W	1.000	PCS
R1029	061T 20810258F GP	1K OHM 5% 1W	1.000	PCS
R997	061T 208105 64	RST MOFR 1MOHM +-5% 1W	1.000	PCS
R935	061T 208470 64	470HM 5% 1W	1.000	PCS
R937	061T 208470 64	470HM 5% 1W	1.000	PCS
R923	061T 20K108GE1	0.10HM 5W	1.000	PCS
R931	061T152M104 64	100K0HM2W	1.000	PCS
R951	061T152M204 64	RST MOFR 200KOHM +-5% 2WS	1.000	PCS
R934	061T152M478 64	0.47 OHM 2W	1.000	PCS
C901	063T 10747410S GP	0.47UF 275VAC ARCO	1.000	PCS
C904	063T 10747410S GP	0.47UF 275VAC ARCO	1.000	PCS
C910	063T 10747410S GP	0.47UF 275VAC ARCO	1.000	PCS
C948	063T210K104ABH GP	MPE CAP 0.1UF K 450V	1.000	PCS
C907	063T213J105GFA	MPF CAP	1.000	PCS
C929	063T213J105GFA	MPF CAP	1.000	PCS
C930	063T213K105ZCH GP	MPE CAP 1UF K 550V	1.000	PCS
C946	065T 1K1021AT GP	CER 1000PF K 1KV NP0	1.000	PCS
C937	065T 1K1021AT GP	CER 1000PF K 1KV NP0	1.000	PCS
C931	065T 1K1021AT GP	CER 1000PF K 1KV NP0	1.000	PCS
C953	065T 1K4721ET GP	4700PF/1KV	1.000	PCS
C987	065T 1K4721ET GP	4700PF/1KV	1.000	PCS
C902	065T306K4712B3 GP	Y1CAP 470PF +-10% 250VAC	1.000	PCS
C903	065T306K4712B3 GP	Y1CAP 470PF +-10% 250VAC	1.000	PCS
C992	065T306K4712B3 GP	Y1CAP 470PF +-10% 250VAC	1.000	PCS
C993	065T306K4712B3 GP	Y1CAP 470PF +-10% 250VAC	1.000	PCS
C909	065T306M1022BM GP	Y1.CAP.001UF 250VAC MURATA	1.000	PCS
C964	065T517K103 2B GP	CK45B2H103KYJ 0.01UF 500V	1.000	PCS
C908	065T517K103 2B GP	CK45B2H103KYJ 0.01UF 500V	1.000	PCS
C968	065T517K2224AT GP	CER 2200PF K 500V	1.000	PCS
C967	065T517K2224AT GP	CER 2200PF K 500V	1.000	PCS
C999	065T517K2224AT GP	CER 2200PF K 500V	1.000	PCS
C998	065T517K2224AT GP	CER 2200PF K 500V	1.000	PCS
C921	067T 30A18115R GP	ELCAP 180UF M 450V 85°C RUBYCON	1.000	PCS

C920	067T 30A18115R GP	ELCAP 180UF M 450V 85℃ RUBYCON	1.000	PCS
C956	067T215L101 4N GP	105℃ 100UF M 25V	1.000	PCS
C939	067T215V102 4N GP	KY25VB1000M-CC3 12.5*20MM	1.000	PCS
C938	067T215V102 4N GP	KY25VB1000M-CC3 12.5*20MM	1.000	PCS
C975	067T215V102 4N GP	KY25VB1000M-CC3 12.5*20MM	1.000	PCS
C970	067T215V102 4N GP	KY25VB1000M-CC3 12.5*20MM	1.000	PCS
C969	067T215V102 4N GP	KY25VB1000M-CC3 12.5*20MM	1.000	PCS
C927	067T215V102 4N GP	KY25VB1000M-CC3 12.5*20MM	1.000	PCS
C940	067T215V471 3N GP	KY16VB470M-CC3 10*12.5	1.000	PCS
C976	067T215V471 4N GP	KY25VB470M-CC3 10*16	1.000	PCS
C995	067T215V471 4N GP	KY25VB470M-CC3 10*16	1.000	PCS
C971	067T215V471 4N GP	KY25VB470M-CC3 10*16	1.000	PCS
C928	067T215V471 4N GP	KY25VB470M-CC3 10*16	1.000	PCS
L950	073T 174 72 T GP	LINE FILTER TDK	1.000	PCS
T911	073T 174 73 T GP	LINE FILTER TDK	1.000	PCS
L951	073T 174 74 T GP	LINE FILTER TDK	1.000	PCS
L904	073T 174 82 T GP	LINE FILTER TDK	1.000	PCS
L901	073T 174 82 T GP	LINE FILTER TDK	1.000	PCS
L903	073T 174 82 T GP	LINE FILTER TDK	1.000	PCS
L953	073T 253 91 T GP	IND CHOKE 3.5UH+-10% TDK	1.000	PCS
L934	073T 253 91 T GP	IND CHOKE 3.5UH+-10% TDK	1.000	PCS
L933	073T 253 91 T GP	IND CHOKE 3.5UH+-10% TDK	1.000	PCS
L931	073T 253 91 T GP	IND CHOKE 3.5UH+-10% TDK	1.000	PCS
L952	073T 253150 T	CHOKE COIL	1.000	PCS
L932	073T 253155 T	CHOKE COIL	1.000	PCS
L935	073T 253182 T GP	IND CHOKE 90UH TDK	1.000	PCS
T950	080TL40T 1 T GP	XFMR FOR POWER TDK	1.000	PCS
T913	080TL40T 2 T GP	XFMR FOR POWER TDK	1.000	PCS
T931	080TL40T 3 T GP	XFMR FOR POWER TDK	1.000	PCS
F901	084T 33 10	FUSE CLIP	2.000	PCS
F901	084T 41 9	FUSE 8A 250V LITTELFUSE	1.000	PCS
ZD956	093T 3917752T	ZENER DIODE P6KE75ARLG ON	1.000	PCS
ZD958	093T 3918052T	ZENER DIODE P6KE9V1A FAIRCHILD	1.000	PCS
D917	093T 5251S52T	EM1C	1.000	PCS
D931	093T 5252S52T	RG1C LFA1	1.000	PCS
	705T 40 56 44	IC931 ASS'Y	1.000	PCS
	705T 40 57 44	Q958Q959 ASS'Y	1.000	PCS
	705T 40 57 45	Q950.Q951 ASS'Y	1.000	PCS
	705T 40 57 56	Q911. D912 ASS'Y	1.000	PCS
	705T 40 61 1	R1021 ASS'Y	1.000	PCS
	705T 40 61 2	R1013 ASS'Y	1.000	PCS
	705T 40 93 44	BD901 ASS'Y	1.000	PCS
	705T 40 93 45	D934 ASS'Y	1.000	PCS
	AIAD18250S2P	POWER BOARD FOR AI	1.000	PCS
	015T6333 1 GP	BKT-IO	1.000	PCS
CN13	033T3278 2 GP	2P PLUG	1.000	PCS
CN15	033T3278 3 GP	3P PLUG	1.000	PCS
CN11	033T3802 4	WAFER PH-4	1.000	PCS
CN14	033T3802 5 GP	CONNECTOR	1.000	PCS
CN19	033T3802 8 GP	CONNECTOR	1.000	PCS
CN17	033T3802 12 GP	CONNECTOR	1.000	PCS
CN20	033T3802 5H GP	CONNECTOR	1.000	PCS
CN18	033T3802 7H GP	CONNECTOR	1.000	PCS
CN12	033T8027 30 H GP	CONNECTOR	1.000	PCS
	040T 457624 1B GP	CPU LABEL	1.000	PCS
	040T 45762420A GP	S/N LABEL	1.000	PCS
C383	067T215V102 4N GP	KY25VB1000M-CC3 12.5*20MM	1.000	PCS

C324	067T215V102 4N GP	KY25VB1000M-CC3 12.5*20MM	1.000	PCS
L31	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03	1.000	PCS
L32	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03	1.000	PCS
L34	073T 253137 ER	CHOKE COIL BY EROCORE SCB-03	1.000	PCS
FB17	073T 253158 L	CHOKE COIL	1.000	PCS
FB18	073T 253158 L	CHOKE COIL	1.000	PCS
FB19	073T 253158 L	CHOKE COIL	1.000	PCS
FB20	073T 253158 L	CHOKE COIL	1.000	PCS
CN3	088T 78 1330N GP	RCA JACK 1*3P R/WY+SW	1.000	PCS
CN5	088T 78 1330N GP	RCA JACK 1*3P R/WY+SW	1.000	PCS
CN7	088T 78 1331N GP	RCA JACK 1*3P R/B/G	1.000	PCS
CN21	088T 78 1333N GP	RCA JACK1*2 R/W 5105-845-082-6	1.000	PCS
CN1	088T 78 1333N GP	RCA JACK1*2 R/W 5105-845-082-6	1.000	PCS
CN25	088T 100 9 TN GP	MIM DIN JACR 4P + SWITCH	1.000	PCS
CN26	088T 100 9 TN GP	MIM DIN JACR 4P + SWITCH	1.000	PCS
CN24	088T 30232N GP	PHONE JACK 3.5MM 5P5102-E6R-03	1.000	PCS
CN2	088T 35315FHA1 GP	D-SUB 15PIN	1.000	PCS
U10	090T6068 2	HEAT SINK	1.000	PCS
X2	093T 2279B	28.32MHZ/14PF/49US	1.000	PCS
X1	093T 2280B	19.6608MHZ/22PF/49US	1.000	PCS
	0Q1T 330 6120 GP	SCREW	4.000	PCS
	SMTFEM5KLGSFNP	MAIN BOARD	1.000	PCS
ECN1	033T3802 5H GP	CONNECTOR	1.000	PCS
EJ1	088T 30233N GP	PHONE JACK 3.5MM 7P	1.000	PCS
	SMTEFPFJA2SFP	HEAD PHONE JACK BOARD	1.000	PCS
IU1	056T 627 20	RC RPM7140	1.000	PCS
	SMTIRPFJA2SFP	IR BOARD FOR SMT	1.000	PCS
	SMTKEPFJA4SFP	KEY BOARD	1.000	PCS
IC931	056T 379 65	STR-W6252	1.000	PCS
	090T 425502	HEAT SINK	1.000	PCS
	0M1T1730 10128 GP	SCREW	1.000	PCS
	005T 42 1	CUSHION	2.000	PCS
	012T 372 1	MICA	2.000	PCS
Q959	057T 600 66	IRF3710ZPbF	1.000	PCS
Q958	057T 600 66	IRF3710ZPbF	1.000	PCS
	090T6317 1 GP	HEAT SINK	1.000	PCS
D961	093T 60258	FME-220B TO-220 SANKEN	1.000	PCS
	0M1T1730 8128	SCREW M3x8	3.000	PCS
Q950	057T 667 38	2SK3566	1.000	PCS
Q951	057T 667 39	2SK3799	1.000	PCS
	090T6317 1 GP	HEAT SINK	1.000	PCS
	0M1T1730 8128	SCREW M3x8	2.000	PCS
	012T 372 2	MICA	1.000	PCS
Q911	057T 667 25	STW20NM60	1.000	PCS
	090T6318 1 GP	HEAT SINK	1.000	PCS
D912	093T 220 23	DIODE FMX-G26S TO-220 SANKEN	1.000	PCS
	0M1T1730 8128	SCREW M3x8	1.000	PCS
	0M1T1730 14128 GP	SCREW	1.000	PCS
R1021	061T 30510864D	RST FUSER 0.1OHM +-5% 1W	1.000	PCS
	096T 29 8 GP	SHRINK TUBE UL/CSA	40.000	MM
R1013	061T 30510864D	RST FUSER 0.1OHM +-5% 1W	1.000	PCS
	096T 29 8 GP	SHRINK TUBE UL/CSA	40.000	MM
	071T 55 30 H1 GP	BEAD 2.0×4.0×2.0 DADON	4.000	PCS
	090T6317 1 GP	HEAT SINK	1.000	PCS
BD901	093T 50460 19	BRIDGE D25XB60 25A 600V	1.000	PCS
	0M1T1730 10128 GP	SCREW	1.000	PCS
	Q11T7009 1 GP	TRAY FOR IC	1.000	PCS

	090T6317 1 GP	HEAT SINK	1.000	PCS
D937	093T 60239	FME-210B T0-220	1.000	PCS
D934	093T1506 2	FMW-2156	1.000	PCS
	0M1T1730 8128	SCREW M3x8	2.000	PCS
IC953	056T 158 12	KIA431A-AT/P	1.000	PCS
IC933	056T 158 12	KIA431A-AT/P	1.000	PCS
IC912	056T 158 12	KIA431A-AT/P	1.000	PCS
Q936	057T 419501 T	KTC945P	1.000	PCS
Q934	057T 419501 T	KTC945P	1.000	PCS
Q933	057T 419501 T	KTC945P	1.000	PCS
Q953	057T 420 3 T	KTA1273	1.000	PCS
Q952	057T 420 3 T	KTA1273	1.000	PCS
Q910	057T 420 3 T	KTA1273	1.000	PCS
Q931	057T 761 16	KTD1028	1.000	PCS
Q954	057T 763 26	MOSFET 200MA/60V 2N7000RLRAG	1.000	PCS
R987	061T 17227252T	2.7KOHM 5% 1/4W	1.000	PCS
R901	061T212Y105 KT	1MOHM 1/2W	1.000	PCS
R996	061V214Y10552T	1MOHM 5% 1/4W	1.000	PCS
C961	067T 2154707NT	47UF 50V NCC 5*11MM	1.000	PCS
C919	067T 2154707NT	47UF 50V NCC 5*11MM	1.000	PCS
C925	067T 2154707NT	47UF 50V NCC 5*11MM	1.000	PCS
C932	067T 2154707NT	47UF 50V NCC 5*11MM	1.000	PCS
C933	067T 2154707NT GP	KY 50VB 47M-L 6.3*11	1.000	PCS
F950	084T 55 4	FOSE 382-5A 250V SICKMANN	1.000	PCS
D933	093T 5250S52T	AU02Z	1.000	PCS
D935	093T 5250S52T	AU02Z	1.000	PCS
	SMTAD18250S2P	POWER BOARD FOR SMT	1.000	PCS
U11	056T 133 23 R	BA17809FP-E2	1.000	PCS
U20	056T 563 7	AIC1084-33PM TO-263 AIC	1.000	PCS
U17	056T 563 7	AIC1084-33PM TO-263 AIC	1.000	PCS
U21	056T 563 34	A1C1084-18PM	1.000	PCS
U19	056T 563 34	A1C1084-18PM	1.000	PCS
U18	056T 563 45	AP1084K25LA	1.000	PCS
U7	056T 615 51	HY5DU281622ETP-4 TSOPII-66	1.000	PCS
U8	056T 615 51	HY5DU281622ETP-4 TSOPII-66	1.000	PCS
U10	056T 616 25	TPA3100D2RGZR QFN-48	1.000	PCS
U26	056T 616 29	AUDIO A 130MW*2 MAX972 2AEUE+T TSSOP 16	1.000	PCS
U9	056T 628 6	NJW1144GK1PF SOP40-K1	1.000	PCS
U25	056T 638601	CS4344-CZZ	1.000	PCS
U13	056T 642600	SII9011CLU	1.000	PCS
U24	056T 643 16	ASM810JEURF	1.000	PCS
U2	056T 74F 14 F	74F14SCX SMT	1.000	PCS
U4	056T 7SB157 F	NC7SB3157L6X	1.000	PCS
U3	056T1126 11	FLI18532-BE-LF PBGA-416	1.000	PCS
U12	056T1133 34	M24C02-WMN6TP	1.000	PCS
U1	056T1133 34	M24C02-WMN6TP	1.000	PCS
U6	056T113353A	M24C32-WMN6TP	1.000	PCS
U5	056T1133711	S29AL008D70TF1010	1.000	PCS
Q10	057T 417 4	CHIP PMBS3904 BY PHILIPS	1.000	PCS
Q11	057T 417 4	CHIP PMBS3904 BY PHILIPS	1.000	PCS
Q12	057T 417 4	CHIP PMBS3904 BY PHILIPS	1.000	PCS
Q2	057T 417 4	CHIP PMBS3904 BY PHILIPS	1.000	PCS
Q3	057T 417 4	CHIP PMBS3904 BY PHILIPS	1.000	PCS
Q1	057T 600 54	BSNZO	1.000	PCS
Q4	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS
Q17	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS

Q9	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS
Q8	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS
Q6	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS
Q16	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS
Q14	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS
Q13	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS
Q5	057T 763 2	A04403L	1.000	PCS
U15	057T 763 15	FDC6301N SSOT-6	1.000	PCS
U16	057T 763 15	FDC6301N SSOT-6	1.000	PCS
Q15	057T 763 27	FDS9435A	1.000	PCS
RV1	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV2	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV3	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV4	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV9	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV12	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV11	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV10	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV8	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV7	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV6	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RV5	061T 48 1 GP	SMD ESD PROTECTER PESD0603-140	1.000	PCS
RP2	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP1	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP9	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP8	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP7	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP6	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP5	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP4	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP3	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP13	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP12	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP11	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RP10	061V 125220 8	CHIP ARRAY 22 OHM 1/16W8P4R	1.000	PCS
RN1	061V 125330 8	CHIP ARRAY 100 OHM 1/16W 8P4R	1.000	PCS
RN2	061V 125330 8	CHIP ARRAY 100 OHM 1/16W 8P4R	1.000	PCS
RN3	061V 125330 8	CHIP ARRAY 100 OHM 1/16W 8P4R	1.000	PCS
RN4	061V 125330 8	CHIP ARRAY 100 OHM 1/16W 8P4R	1.000	PCS
RN5	061V 125330 8	CHIP ARRAY 100 OHM 1/16W 8P4R	1.000	PCS
RN6	061V 125330 8	CHIP ARRAY 100 OHM 1/16W 8P4R	1.000	PCS
RN7	061V 125330 8	CHIP ARRAY 100 OHM 1/16W 8P4R	1.000	PCS
R219	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R149	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R71	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R70	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R64	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R62	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R373	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R372	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R371	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R369	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R358	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R216	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R72	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R96	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R97	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS

R161	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R183	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R184	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R456	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R457	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R459	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R464	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R27	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
L17	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
L18	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
L19	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R446	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R69	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R188	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R186	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R232	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R227	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R226	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R203	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R201	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R164	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R146	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R131	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R116	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
R374	061V0603101	CHIPR 100 OHM+-5% 1/10W	1.000	PCS
R173	061V0603101	CHIPR 100 OHM+-5% 1/10W	1.000	PCS
R30	061V0603101	CHIPR 100 OHM+-5% 1/10W	1.000	PCS
R13	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R178	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R181	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R19	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R192	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R93	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R363	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R120	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R119	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R364	061V0603102	CHIPR 1K OHM+-5% 1/10W	1.000	PCS
R158	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R155	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R147	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R143	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R142	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R141	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R139	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R130	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R114	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R112	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R159	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R160	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R163	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R191	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R2	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R220	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R222	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R24	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R26	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R359	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS

R381	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R394	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R401	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R425	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R427	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R438	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R458	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R379	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R466	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R462	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R461	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R111	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R1	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R101	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R102	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R103	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R104	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R105	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R106	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R107	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R108	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R109	061V0603103	CHIPR 10K OHM+-5% 1/10W	1.000	PCS
R21	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R20	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R165	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R15	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R14	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R4	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R132	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R22	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R23	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R388	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R389	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R7	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R8	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R190	061V0603104	CHIPR 100K OHM+-5% 1/10W	1.000	PCS
R221	061V0603105	CHIP 1MOHM 1/16W	1.000	PCS
R134	061V0603152	RST CHIPR 1.5 KOHM +-5% 1/10W	1.000	PCS
R126	061V0603153	CHIPR 15KOHM+-5% 1/16W	1.000	PCS
R44	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R46	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R47	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R48	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R49	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R51	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R52	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R53	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R54	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R43	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R42	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R41	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R39	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R38	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R37	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R36	061V0603200	CHIP 20 OHM 1/16W	1.000	PCS
R16	061V0603203	CHIPR 20K OHM+-5% 1/10W	1.000	PCS
R68	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS

R66	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R65	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R63	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R61	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R59	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R57	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R56	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R18	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R12	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R115	061V0603220	CHIPR 22 OHM+-5% 1/10W	1.000	PCS
R249	061V0603222	CHIPR 2.2K OHM+-5% 1/10W	1.000	PCS
R254	061V0603222	CHIPR 2.2K OHM+-5% 1/10W	1.000	PCS
R357	061V0603222	CHIPR 2.2K OHM+-5% 1/10W	1.000	PCS
R179	061V0603271	CHI 270OHM 1/10W	1.000	PCS
R180	061V0603271	CHI 270OHM 1/10W	1.000	PCS
R129	061V0603272	CHIP 2.7K OHM 1/16W	1.000	PCS
R153	061V0603272	CHIP 2.7K OHM 1/16W	1.000	PCS
R154	061V0603272	CHIP 2.7K OHM 1/16W	1.000	PCS
R206	061V0603272	CHIP 2.7K OHM 1/16W	1.000	PCS
R207	061V0603272	CHIP 2.7K OHM 1/16W	1.000	PCS
R365	061V0603272	CHIP 2.7K OHM 1/16W	1.000	PCS
R187	061V0603273	CHIP 27K OHM 1/16W	1.000	PCS
R217	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R150	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R204	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R202	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R200	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R199	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R196	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R195	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R193	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R124	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R453	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R452	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R6	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R5	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R3	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R151	061V0603330	CHIP 33 OH 1/16W	1.000	PCS
R467	061V0603332	CHIP 3.3K OHM 1/16W	1.000	PCS
R445	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R443	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R442	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R440	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R439	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R422	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R420	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R224	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R402	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R238	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R237	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R235	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R231	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R176	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R175	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R135	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R137	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R380	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS

R92	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R90	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R87	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R79	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R78	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R77	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R76	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R75	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R74	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R218	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R214	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R210	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R209	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R198	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R194	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R182	061V0603472	RST CHIPR 4.7KOHM +-5% 1/10W	1.000	PCS
R239	061V0603473	CHIP 47K OHM 1/16W	1.000	PCS
R444	061V0603473	CHIP 47K OHM 1/16W	1.000	PCS
R463	061V0603473	CHIP 47K OHM 1/16W	1.000	PCS
R460	061V0603473	CHIP 47K OHM 1/16W	1.000	PCS
R40	061V0603576 9F	CHIP 57.6 OHM 1/16W	1.000	PCS
R45	061V0603576 9F	CHIP 57.6 OHM 1/16W	1.000	PCS
R50	061V0603576 9F	CHIP 57.6 OHM 1/16W	1.000	PCS
R55	061V0603576 9F	CHIP 57.6 OHM 1/16W	1.000	PCS
R125	061V0603682	CHIP 6.8KOHM 1/16W	1.000	PCS
R408	061V0603821	CHIP 820 OHM 1/16W	1.000	PCS
R409	061V0603821	CHIP 820 OHM 1/16W	1.000	PCS
C417	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
C418	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
L9	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L8	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L5	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L44	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L43	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L4	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L2	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L12	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L10	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
L1	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
FB1	061V1206000	CHIP 0 OHM 1/8W	1.000	PCS
L35	061V1206000	CHIP 0 OHM 1/8W	1.000	PCS
R229	061V1206561	CHIP560 OHM 5% 1/8W	1.000	PCS
R419	061V1206561	CHIP560 OHM 5% 1/8W	1.000	PCS
R223	061V1206681	CHIP 680 OHM 1/8W	1.000	PCS
R17	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R25	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R28	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R29	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R31	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R33	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R35	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R390	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R391	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R10	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R11	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R9	061V1206750	CHIP 75 OHM 5% 1/4W	1.000	PCS
R421	061V1206821	CHIP 820 OHM 5% 1/4W	1.000	PCS

C7	065T0603100 31 GP	CHIP 10PF 50V NPO	1.000	PCS
C377	065T0603100 31 GP	CHIP 10PF 50V NPO	1.000	PCS
C376	065T0603100 31 GP	CHIP 10PF 50V NPO	1.000	PCS
C23	065T0603100 31 GP	CHIP 10PF 50V NPO	1.000	PCS
C22	065T0603100 31 GP	CHIP 10PF 50V NPO	1.000	PCS
C14	065T0603100 31 GP	CHIP 10PF 50V NPO	1.000	PCS
C215	065T0603102 32 GP	CHIP 1000PF 50V X7R	1.000	PCS
C214	065T0603102 32 GP	CHIP 1000PF 50V X7R	1.000	PCS
C499	065T0603103 32 GP	CHIP 0.01UF 50V X7R	1.000	PCS
C498	065T0603103 32 GP	CHIP 0.01UF 50V X7R	1.000	PCS
C369	065T0603103 32 GP	CHIP 0.01UF 50V X7R	1.000	PCS
C321	065T0603103 32 GP	CHIP 0.01UF 50V X7R	1.000	PCS
C315	065T0603103 32 GP	CHIP 0.01UF 50V X7R	1.000	PCS
C314	065T0603103 32 GP	CHIP 0.01UF 50V X7R	1.000	PCS
C346	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C363	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C364	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C366	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C368	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C385	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C393	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C394	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C4	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C58	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C59	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C60	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C61	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C62	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C63	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C64	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C65	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C66	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C67	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C68	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C69	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C335	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C276	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C275	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C274	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C273	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C272	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C271	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C293	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C301	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C302	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C303	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C304	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C320	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C317	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C313	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C312	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C277	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C288	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C289	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C290	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C291	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C292	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS

C70	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C28	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C510	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C509	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C508	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C507	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C506	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C505	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C504	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C503	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C502	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C501	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C500	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C246	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C245	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C188	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C187	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C20	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C17	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C15	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C99	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C98	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C97	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C71	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C73	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C74	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C77	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C78	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C79	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C80	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C81	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C82	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C83	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C84	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C85	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C86	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C87	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C88	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C89	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C90	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C91	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C92	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C93	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C94	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C121	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C122	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C123	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C129	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C130	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C131	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C135	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C136	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C137	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C138	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C139	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C140	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C141	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS

C142	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C146	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C147	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C120	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C1	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C102	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C103	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C104	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C108	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C109	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C110	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C111	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C112	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C113	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C114	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C115	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C116	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C117	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C118	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C119	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C180	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C181	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C182	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C183	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C184	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C185	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C186	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C207	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C208	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C218	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C239	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C240	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C254	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C257	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C267	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C270	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C179	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C148	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C151	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C152	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C155	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C156	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C164	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C169	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C170	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C178	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C177	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C176	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C175	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C174	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C173	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C172	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C171	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
C100	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C101	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C107	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C124	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS

C125	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C126	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C127	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C72	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C95	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C96	065T0603105 12 GP	CHIP 1UF 50V X7R	1.000	PCS
C157	065T0603220 31 GP	CHIP 22PF 50V NPO	1.000	PCS
C158	065T0603220 31 GP	CHIP 22PF 50V NPO	1.000	PCS
C322	065T0603220 31 GP	CHIP 22PF 50V NPO	1.000	PCS
C323	065T0603220 31 GP	CHIP 22PF 50V NPO	1.000	PCS
C411	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C412	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C413	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C512	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C514	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C516	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C518	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C520	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C522	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C511	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C513	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C515	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C517	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C519	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C521	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
C18	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C19	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C24	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C25	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C26	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C27	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C378	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C379	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C380	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C381	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C8	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C9	065T0603221 32 GP	CHIP 200PF 50V X7R	1.000	PCS
C219	065T0603224 22 GP	CHIP 0.22UF 25V X7R	1.000	PCS
C220	065T0603224 22 GP	CHIP 0.22UF 25V X7R	1.000	PCS
C424	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C423	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C422	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C421	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C420	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C491	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C426	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C425	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C427	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C428	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C429	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C430	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C431	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C432	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C433	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C434	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C435	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C436	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS

C437	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C438	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C439	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C440	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C441	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C442	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C489	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C490	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C419	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C297	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C296	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C295	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C294	065T0603330 31 GP	CHIP 33PF 50V NPO	1.000	PCS
C486	065T0603332 32 GP	CHIP 330PF 50V X7R	1.000	PCS
C210	065T0603332 32 GP	CHIP 330PF 50V X7R	1.000	PCS
C209	065T0603332 32 GP	CHIP 330PF 50V X7R	1.000	PCS
C216	065T0603334 27 GP	CHIP 0.33UF 25V Y5V	1.000	PCS
C487	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C488	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C10	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C11	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C12	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C13	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C2	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C3	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C374	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C375	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C5	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C6	065T0603471 31 GP	CHIP 470PF 50V X7R	1.000	PCS
C206	065T0603472 32 GP	CHIP 4700PF 50V X7R	1.000	PCS
C477	065T0603680 31 GP	CHIP 68PF 50V NPO	1.000	PCS
C478	065T0603680 31 GP	CHIP 68PF 50V NPO	1.000	PCS
C474	065T0603680 31 GP	CHIP 68PF 50V NPO	1.000	PCS
C339	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C333	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C332	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C329	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C328	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C235	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C236	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C237	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C249	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C266	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C256	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C250	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C382	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C351	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C350	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C347	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C345	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C327	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C319	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C316	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C384	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C480	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C481	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C484	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS

C485	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C29	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C344	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C340	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C234	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C233	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C232	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C231	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C230	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C228	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C226	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C221	065T0805105 22 GP	CHIP 1UF 25V X7R	1.000	PCS
C199	065T0805223 32 GP	CHIP 0.022UF 50V X7R	1.000	PCS
C200	065T0805223 32 GP	CHIP 0.022UF 50V X7R	1.000	PCS
C205	065T0805223 32 GP	CHIP 0.022UF 50V X7R	1.000	PCS
C242	065T0805223 32 GP	CHIP 0.022UF 50V X7R	1.000	PCS
C244	065T0805223 32 GP	CHIP 0.022UF 50V X7R	1.000	PCS
C211	065T0805333 32 GP	CHIP 0.033UF 50V X7R	1.000	PCS
C212	065T0805333 32 GP	CHIP 0.033UF 50V X7R	1.000	PCS
C41	065T0805474 22 GP	CHIP 0.47UF 25V X7R	1.000	PCS
C42	065T0805474 22 GP	CHIP 0.47UF 25V X7R	1.000	PCS
C45	065T0805474 22 GP	CHIP 0.47UF 25V X7R	1.000	PCS
C40	065T0805474 22 GP	CHIP 0.47UF 25V X7R	1.000	PCS
C39	065T0805474 22 GP	CHIP 0.47UF 25V X7R	1.000	PCS
C470	065T0805474 22 GP	CHIP 0.47UF 25V X7R	1.000	PCS
C469	065T0805474 22 GP	CHIP 0.47UF 25V X7R	1.000	PCS
C227	065T0805474 22 GP	CHIP 0.47UF 25V X7R	1.000	PCS
C370	065T0805475 17	0805 4.7UF +80%~-20% 16	1.000	PCS
C225	065T1206106 17	CHIP 10UF 16V Y5V	1.000	PCS
C224	065T1206106 17	CHIP 10UF 16V Y5V	1.000	PCS
C202	065T1206475 22	4.7U/25V X7R	1.000	PCS
C201	065T1206475 22	4.7U/25V X7R	1.000	PCS
C198	065T1206475 22	4.7U/25V X7R	1.000	PCS
C197	065T1206475 22	4.7U/25V X7R	1.000	PCS
C196	065T1206475 22	4.7U/25V X7R	1.000	PCS
C195	065T1206475 22	4.7U/25V X7R	1.000	PCS
C194	065T1206475 22	4.7U/25V X7R	1.000	PCS
C193	065T1206475 22	4.7U/25V X7R	1.000	PCS
C192	065T1206475 22	4.7U/25V X7R	1.000	PCS
C191	065T1206475 22	4.7U/25V X7R	1.000	PCS
C190	065T1206475 22	4.7U/25V X7R	1.000	PCS
C189	065T1206475 22	4.7U/25V X7R	1.000	PCS
CP1	065T602K330 8T	CHIP APRAY 33PF 8P	1.000	PCS
C388	067T311F100 3T GP	10UF 16V 105 V TYPE WT SERIES	1.000	PCS
C389	067T311F100 3T GP	10UF 16V 105 V TYPE WT SERIES	1.000	PCS
C391	067T311F100 3T GP	10UF 16V 105 V TYPE WT SERIES	1.000	PCS
C392	067T311F100 3T GP	10UF 16V 105 V TYPE WT SERIES	1.000	PCS
C154	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C153	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C150	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C149	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C145	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C144	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C165	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C166	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C21	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C76	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS

C75	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C57	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C56	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C55	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C390	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C311	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C310	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C309	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C300	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C287	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C286	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C269	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C268	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C265	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C255	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C168	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C167	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C143	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C105	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C106	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C128	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C132	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C133	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C134	067T311F220 3T GP	22UF 16V 105 V TYPE WT SERIES	1.000	PCS
C247	067T311F470 3T GP	47UF 16V 105 V TYPE WT SERIES	1.000	PCS
C248	067T311F470 3T GP	47UF 16V 105 V TYPE WT SERIES	1.000	PCS
C330	067T311F470 3T GP	47UF 16V 105 V TYPE WT SERIES	1.000	PCS
C336	067T311F470 3T GP	47UF 16V 105 V TYPE WT SERIES	1.000	PCS
C348	067T311F470 3T GP	47UF 16V 105 V TYPE WT SERIES	1.000	PCS
C334	067T311F470 3T GP	47UF 16V 105 V TYPE WT SERIES	1.000	PCS
C352	067T311F479 4T GP	4.7UF 25V 105 V TYPE WT SERIES	1.000	PCS
C471	067T311F479 4T GP	4.7UF 25V 105 V TYPE WT SERIES	1.000	PCS
FB15	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB14	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB13	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB2	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB21	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB23	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB24	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB25	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
L56	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
L54	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB33	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
L55	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
L22	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB9	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB8	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB7	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB6	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB5	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB34	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB32	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB30	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB28	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB27	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB26	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB12	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS

FB11	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
FB10	071T 56G151 B	BEAD 0805 150 OHM	1.000	PCS
L59	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
L48	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
L47	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
L38	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
L37	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
L36	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
L33	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
L30	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
FB3	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
FB4	071T 57B800 K GP	CHIP BEAD 80OHMFBMA-11-321611	1.000	PCS
L3	071T 57G301 EA	CHIP BEAD	1.000	PCS
L6	073T 63229	0603 2.2UH	1.000	PCS
L46	073T 63229	0603 2.2UH	1.000	PCS
L45	073T 63229	0603 2.2UH	1.000	PCS
L16	073T 63229	0603 2.2UH	1.000	PCS
L15	073T 63229	0603 2.2UH	1.000	PCS
L13	073T 63229	0603 2.2UH	1.000	PCS
L26	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900	1.000	PCS
L27	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900	1.000	PCS
L28	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900	1.000	PCS
L29	073T253S 6 T GP	SMD CHOKE 90 OHM ACM2012D-900	1.000	PCS
L39	084T 52 2	SMT 4A 32V	1.000	PCS
CN16	088T 340 19 H	HDMI HEADER	1.000	PCS
D3	093T 39147	TZMC 5V6	1.000	PCS
D87	093T 39147	TZMC 5V6	1.000	PCS
D86	093T 39147	TZMC 5V6	1.000	PCS
D52	093T 39147	TZMC 5V6	1.000	PCS
D84	093T 39147	TZMC 5V6	1.000	PCS
D82	093T 39147	TZMC 5V6	1.000	PCS
D55	093T 39147	TZMC 5V6	1.000	PCS
D18	093T 39147	TZMC 5V6	1.000	PCS
D16	093T 39147	TZMC 5V6	1.000	PCS
D21	093T 39147	TZMC 5V6	1.000	PCS
D22	093T 39147	TZMC 5V6	1.000	PCS
D17	093T 39147	TZMC 5V6	1.000	PCS
D39	093T 39147	TZMC 5V6	1.000	PCS
D20	093T 39147	TZMC 5V6	1.000	PCS
D19	093T 39147	TZMC 5V6	1.000	PCS
D96	093T 39147	TZMC 5V6	1.000	PCS
D89	093T 39147	TZMC 5V6	1.000	PCS
D72	093T 39147	TZMC 5V6	1.000	PCS
D46	093T 39147	TZMC 5V6	1.000	PCS
D40	093T 39147	TZMC 5V6	1.000	PCS
D118	093T 60211	SMB340 BY FULL POWER	1.000	PCS
D117	093T 60211	SMB340 BY FULL POWER	1.000	PCS
D116	093T 60211	SMB340 BY FULL POWER	1.000	PCS
D119	093T 60211	SMB340 BY FULL POWER	1.000	PCS
D6	093T 64 33	BAV99 SOT-23	1.000	PCS
D33	093T 64 33	BAV99 SOT-23	1.000	PCS
D32	093T 64 33	BAV99 SOT-23	1.000	PCS
D25	093T 64 33	BAV99 SOT-23	1.000	PCS
D24	093T 64 33	BAV99 SOT-23	1.000	PCS
D23	093T 64 33	BAV99 SOT-23	1.000	PCS
D15	093T 64 33	BAV99 SOT-23	1.000	PCS
D13	093T 64 33	BAV99 SOT-23	1.000	PCS

D51	093T 64 33	BAV99 SOT-23	1.000	PCS
D50	093T 64 33	BAV99 SOT-23	1.000	PCS
D49	093T 64 33	BAV99 SOT-23	1.000	PCS
D48	093T 64 33	BAV99 SOT-23	1.000	PCS
D34	093T 64 33	BAV99 SOT-23	1.000	PCS
D31	093T 64 33	BAV99 SOT-23	1.000	PCS
D30	093T 64 33	BAV99 SOT-23	1.000	PCS
D29	093T 64 33	BAV99 SOT-23	1.000	PCS
D26	093T 64 33	BAV99 SOT-23	1.000	PCS
D2	093T 64 33	BAV99 SOT-23	1.000	PCS
D8	093T 64 33	BAV99 SOT-23	1.000	PCS
D7	093T 64 33	BAV99 SOT-23	1.000	PCS
D36	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D37	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D59	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D60	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D61	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D62	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D63	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D64	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D65	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D66	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D71	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D73	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
C44	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
C43	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
D109	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D110	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D111	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D1	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D43	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D28	093T 60S 6 T	MBR0520L	1.000	PCS
D41	093T 60S 7 T	SS14 D0-214AC FAIRCHILD	1.000	PCS
D42	093T 60S 7 T	SS14 D0-214AC FAIRCHILD	1.000	PCS
D56	093T 60S 7 T	SS14 D0-214AC FAIRCHILD	1.000	PCS
D58	093T 60S 7 T	SS14 D0-214AC FAIRCHILD	1.000	PCS
	715T1723 J	MAIN BOARD	1.000	PCS
EFB2	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
EFB3	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
EFB1	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
EC1	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
EC2	065T0603221 31 GP	CHIP 220PF 50V NPO	1.000	PCS
EC3	065T0603472 32 GP	CHIP 4700PF 50V X7R	1.000	PCS
EZD1	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
EZD2	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
EZD3	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
	AIEFPFJA2SFP	MAIN BOARD	1.000	PCS
CN27	033T8023 7 GP	WAFER 2.0MM 7P	1.000	PCS
IR1	061V0603000	CHIPR 0OHM +-5% 1/10W	1.000	PCS
IC4	065T0603101 32 GP	CHIP 100PF 50V X7R	1.000	PCS
IC3	065T0603104 32 GP	CHIP 0.1UF 50V X7R	1.000	PCS
IC2	065T1206106 17	CHIP 10UF 16V Y5V	1.000	PCS
ID2	081T 14 16 KT GP	CHIP LED RED 1206	1.000	PCS
ID1	081T 14 17 KT GP	CHIP LED GREEN 1206	1.000	PCS
ID3	081T 14501 KT GP	CHIP LED KTL-HKBGE33B-TRB	1.000	PCS
	715T1750 E	IR BOARD	1.000	PCS
KCN1	033T8036 5A H GP	B5B-PH-K-S	1.000	PCS

KR4	061V1206102	CHIP 1K OHM 5% 1/8W	1.000	PCS
KR1	061V1206102	CHIP 1K OHM 5% 1/8W	1.000	PCS
KR2	061V1206222	CHIP 2.2KOHM 5% 1/8W	1.000	PCS
KR5	061V1206222	CHIP 2.2KOHM 5% 1/8W	1.000	PCS
KR6	061V1206472	CHIP 4.7KOHM 5% 1/4W	1.000	PCS
KR3	061V1206472	CHIP 4.7KOHM 5% 1/4W	1.000	PCS
KS7	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533	1.000	PCS
KS1	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533	1.000	PCS
KS6	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533	1.000	PCS
KS5	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533	1.000	PCS
KS4	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533	1.000	PCS
KS2	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533	1.000	PCS
KS3	077T 604 2 TO	CHIP TACT SW TS-9-TMG-533	1.000	PCS
KZD1	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
KZD2	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
KZD3	093T 64 37 N	V-PORT-0603-100K V05	1.000	PCS
	715T1752 D	PCB	1.000	PCS
IC913	056T 192 11	LM393MX DUAL OP AMP	1.000	PCS
IC954	056T 192 11	LM393MX DUAL OP AMP	1.000	PCS
IC951	056T 379 62	NCP1280DR2G S0-16	1.000	PCS
IC911	056T 379 63	NCP1653ADR2G S0-8	1.000	PCS
IC950	056T 566 14	MC34152DR2G	1.000	PCS
Q915	057T 758 1	FET 2N7002E VISHAY	1.000	PCS
Q916	057T 758 1	FET 2N7002E VISHAY	1.000	PCS
Q960	057T 760 5	DTC144WKA BY FOHM SMT	1.000	PCS
Q932	057T 763 3	AO4411L SO-8 BY AOS SMT	1.000	PCS
Q935	057T 763 3	AO4411L SO-8 BY AOS SMT	1.000	PCS
R930	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
R943	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
R956	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
R959	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
R1014	061V0805000	CHIP 0OHM 1/10W	1.000	PCS
R950	061V0805101	CHIPR 100 OHM +-5% 1/8W	1.000	PCS
R911	061V0805102	CHIPR 1K OHM +-5% 1/8W	1.000	PCS
R941	061V0805102	CHIPR 1K OHM +-5% 1/8W	1.000	PCS
R942	061V0805102	CHIPR 1K OHM +-5% 1/8W	1.000	PCS
R975	061V0805102	CHIPR 1K OHM +-5% 1/8W	1.000	PCS
R994	061V0805102	CHIPR 1K OHM +-5% 1/8W	1.000	PCS
R948	061V0805102	CHIPR 1K OHM +-5% 1/8W	1.000	PCS
R938	061V0805102	CHIPR 1K OHM +-5% 1/8W	1.000	PCS
R933	061V0805102	CHIPR 1K OHM +-5% 1/8W	1.000	PCS
R920	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R936	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R953	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R958	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R961	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R962	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R963	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R964	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R980	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R982	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R989	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R1001	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R1004	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R976	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R947	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS
R968	061V0805103	CHIP 10K OHM 1/10W	1.000	PCS

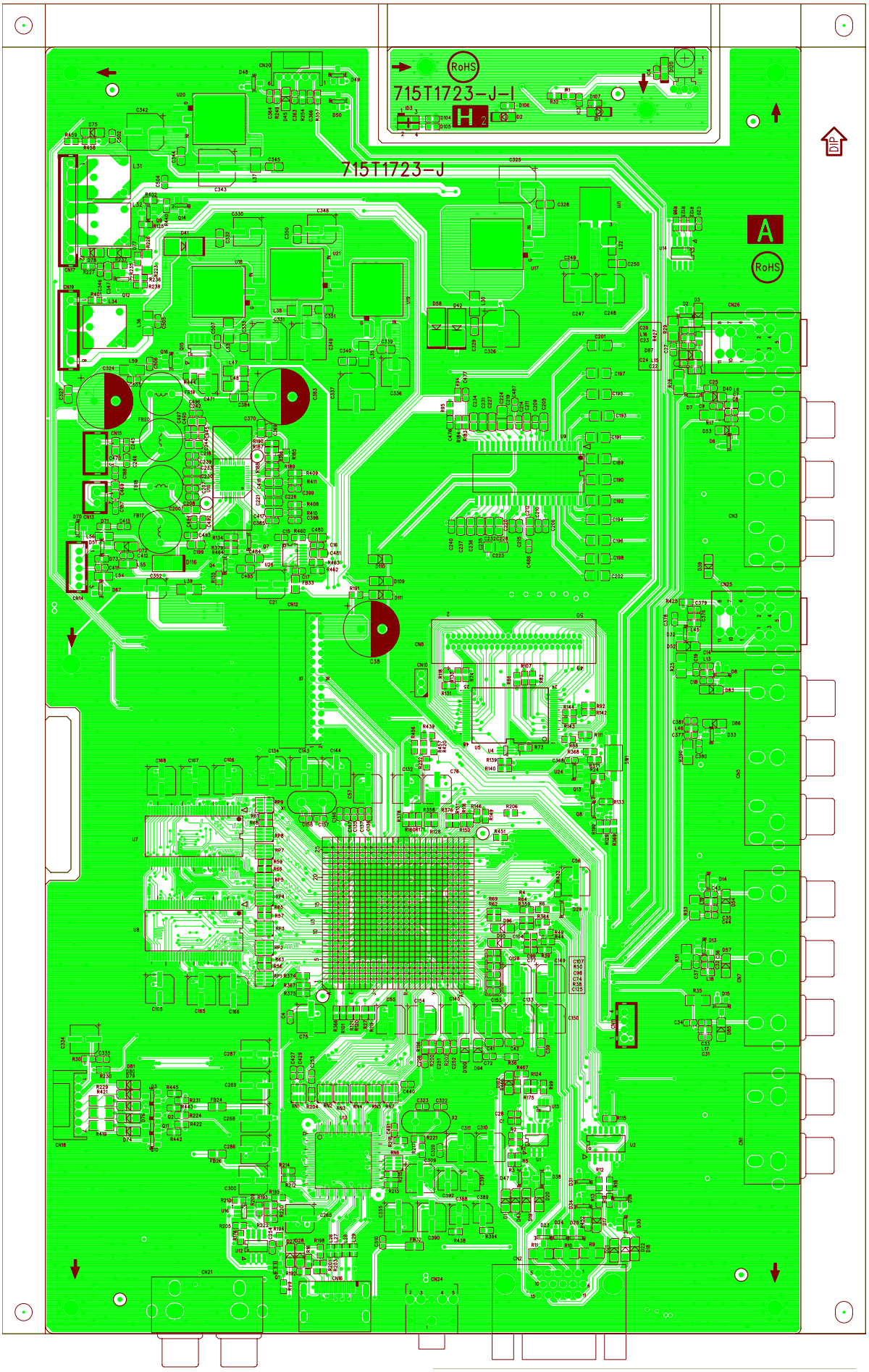
R1005	061V0805104	CHIPR 100K OHM+-5% 1/8W	1.000	PCS
R1012	061V0805105	CHIP 1M OHM 5% 1/8W	1.000	PCS
R925	061V0805105	CHIP 1M OHM 5% 1/8W	1.000	PCS
R1027	061V0805122	RST CHIPR 1.2KOHM +-5% 1/8W	1.000	PCS
R999	061V0805152	CHIPR 1.5K OHM +-5% 1/8W	1.000	PCS
R1028	061V0805204	200K OHM 1/8W	1.000	PCS
R915	061V0805223	CHIPR 22KOHM +-5% 1/8W	1.000	PCS
R946	061V0805240 1F	2.4K OHM 1/8W 1%	1.000	PCS
R967	061V0805240 3F	240KOHM 1/8W 1%	1.000	PCS
R973	061V0805273	CHIP 27KOHM 5% 0805 1/8W	1.000	PCS
R965	061V0805330 1F	CHIPR 3.3KOHM +-1% 1/8W	1.000	PCS
R922	061V0805330 1F	CHIPR 3.3KOHM +-1% 1/8W	1.000	PCS
R949	061V0805330 2F	CHIP 33K OHM 1/10W 1%	1.000	PCS
R991	061V0805330 2F	CHIP 33K OHM 1/10W 1%	1.000	PCS
R944	061V0805360 1F	3.6K OHM 1/8W 1%	1.000	PCS
R1000	061V0805472	CHIRP 4.7K OHM +-5% 1/8W	1.000	PCS
R955	061V0805472	CHIRP 4.7K OHM +-5% 1/8W	1.000	PCS
R988	061V0805472	CHIRP 4.7K OHM +-5% 1/8W	1.000	PCS
R929	061V0805472	CHIRP 4.7K OHM +-5% 1/8W	1.000	PCS
R1030	061V0805473	CHIPR 47K OHM +-5% 1/8W	1.000	PCS
R1026	061V0805473	CHIPR 47K OHM +-5% 1/8W	1.000	PCS
R1008	061V0805474	470K OHM 1/8W	1.000	PCS
R1006	061V0805474	470K OHM 1/8W	1.000	PCS
R921	061V0805510 2F	CHIP 51K OHM 1/10W	1.000	PCS
R952	061V0805560 1F	5.6K OHM 1/8W 1%	1.000	PCS
R992	061V0805560 1F	5.6K OHM 1/8W 1%	1.000	PCS
R966	061V0805564	CHIP 560K OHM 5% 1/8W	1.000	PCS
R977	061V0805823	chip 82kohm 1/8w	1.000	PCS
R919	061V1206100	CHIP 10 OHM 1/8W	1.000	PCS
R932	061V1206100	CHIP 10 OHM 1/8W	1.000	PCS
R960	061V1206100	CHIP 10 OHM 1/8W	1.000	PCS
R954	061V1206100	CHIP 10 OHM 1/8W	1.000	PCS
R1011	061V1206104	CHIP 100K OHM 1/8W 5%	1.000	PCS
R998	061V1206105	CHIP 1MOHM 5% 1/4W	1.000	PCS
R914	061V1206105	CHIP 1MOHM 5% 1/4W	1.000	PCS
R913	061V1206105	CHIP 1MOHM 5% 1/4W	1.000	PCS
R912	061V1206105	CHIP 1MOHM 5% 1/4W	1.000	PCS
R924	061V1206155	1.5M OHM 1/4W	1.000	PCS
R1010	061V1206155	1.5M OHM 1/4W	1.000	PCS
R1009	061V1206155	1.5M OHM 1/4W	1.000	PCS
R970	061V1206225	RST CHIPR 2.2MOHM +-1% 1/4W	1.000	PCS
R971	061V1206225	RST CHIPR 2.2MOHM +-1% 1/4W	1.000	PCS
R1022	061V1206330	CHIP 33 OHM 5% 1/4W	1.000	PCS
R1023	061V1206330	CHIP 33 OHM 5% 1/4W	1.000	PCS
R1024	061V1206330	CHIP 33 OHM 5% 1/4W	1.000	PCS
R1025	061V1206330	CHIP 33 OHM 5% 1/4W	1.000	PCS
R979	061V1206330	CHIP 33 OHM 5% 1/4W	1.000	PCS
R981	061V1206330	CHIP 33 OHM 5% 1/4W	1.000	PCS
R995	061V1206331	CHIP 330 OHM 5% 1/8W	1.000	PCS
R972	061V1206335 GP	CHIP 3.3MOHM 5% 1/4W	1.000	PCS
R939	061V1206471	CHIP 470OHM 1/8W	1.000	PCS
R957	061V1206479	CHIP 4.7 OHM +-5% 1/4W	1.000	PCS
R928	061V1206479	CHIP 4.7 OHM +-5% 1/4W	1.000	PCS
R918	061V1206564	CHIPR 560KOHM +-5% 1/4W	1.000	PCS
R916	061V1206684	CHIP 680K OHM 1/8W	1.000	PCS
R917	061V1206684	CHIP 680K OHM 1/8W	1.000	PCS
C936	065T0805102 31	1000PF 50V NPO	1.000	PCS

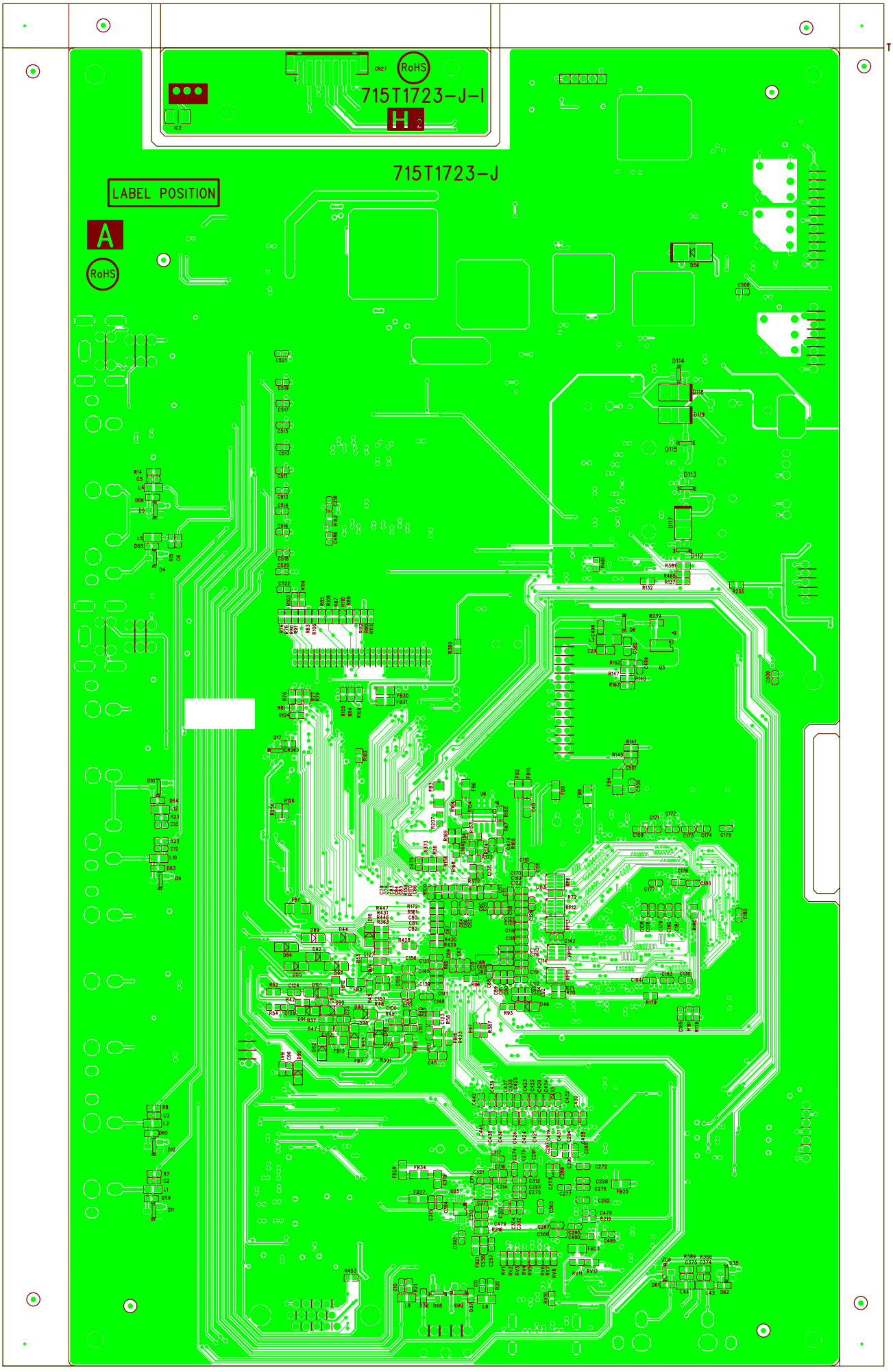
C991	065T0805102 31	1000PF 50V NPO	1.000	PCS
C952	065T0805102 31	1000PF 50V NPO	1.000	PCS
C914	065T0805102 31	1000PF 50V NPO	1.000	PCS
C916	065T0805102 31	1000PF 50V NPO	1.000	PCS
C963	065T0805103 32	10NF/50V/0805/X7R	1.000	PCS
C982	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C978	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C977	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C972	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C960	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C945	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C942	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C941	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C934	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C924	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C918	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C915	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C912	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C985	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C986	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C988	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C966	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C947	065T0805104 32	CHIP 0.1U 50V X7R	1.000	PCS
C994	065T0805105 22	CHIP 1UF 25V X7R 0805	1.000	PCS
C997	065T0805105 22	CHIP 1UF 25V X7R 0805	1.000	PCS
C951	065T0805182 31	0805.1800PF.J.50V.NPO	1.000	PCS
C979	065T0805220 32	0805.22PF.K.50V.X7R	1.000	PCS
C980	065T0805223 32	CHIP 0.022UF 50V X7R 0805	1.000	PCS
C935	065T0805223 32	CHIP 0.022UF 50V X7R 0805	1.000	PCS
C965	065T0805224 32	0805.0.22UF.K.50V.X7R	1.000	PCS
C943	065T0805224 32	0805.0.22UF.K.50V.X7R	1.000	PCS
C959	065T0805224 32	0805.0.22UF.K.50V.X7R	1.000	PCS
C983	065T0805225 12	CHIP 2.2UF 16V X7R 0805	1.000	PCS
C917	065T0805471 31	CHIP 470PF 50V NPO	1.000	PCS
C958	065T0805472 31	CHIP 4.7UF 50V NPO 0805	1.000	PCS
C913	065T0805473 32	CHIP 0.04IF 50V X7R	1.000	PCS
C989	065T0805474 22	CHIP 0.47UF 25V X7R	1.000	PCS
C962	065T0805561 32	0805.560PF.J.50V.X7R	1.000	PCS
C974	065T1206102 72	CHIP 1000PF 500V X7R	1.000	PCS
C973	065T1206102 72	CHIP 1000PF 500V X7R	1.000	PCS
C954	065T1206104 32	CHIP 0.1UF 50V X7R 1206	1.000	PCS
C955	065T1206104 32	CHIP 0.1UF 50V X7R 1206	1.000	PCS
D916	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D936	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D950	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D952	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D964	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
D956	093T 6432V	LL4148-GSO8 SMD BY VISHA	1.000	PCS
ZD955	093T 39S 8 T	RLZ11B LLDS	1.000	PCS
ZD951	093T 39S 20 T	RLZ22B LLDS	1.000	PCS
ZD953	093T 39S 20 T	RLZ22B LLDS	1.000	PCS
ZD932	093T 39S 24 T	RLZ 5.6B LLDS	1.000	PCS
ZD960	093T 39S 24 T	RLZ 5.6B LLDS	1.000	PCS
ZD957	093T 39S 46 T	ZENER DIODE RLZ39B ROHM	1.000	PCS
ZD952	093T 39S 61 T	PLZ16B TE-11	1.000	PCS
ZD931	093T 39S 61 T	PLZ16B TE-11	1.000	PCS
D953	093T 60S 15 T	DIODE RB160M-60TE25 ROHM	1.000	PCS

D951	093T 60S 15 T	DIODE RB160M-60TE25 ROHM	1.000	PCS
D913	093T 60S514 T	SS1H10 DO-214AC	1.000	PCS
	715T1756 F	POWER BOARD	1.000	PCS
J1	095T 90 23 GP	TIN COATED	1.000	PCS
	715T1751 E	PCB	1.000	PCS

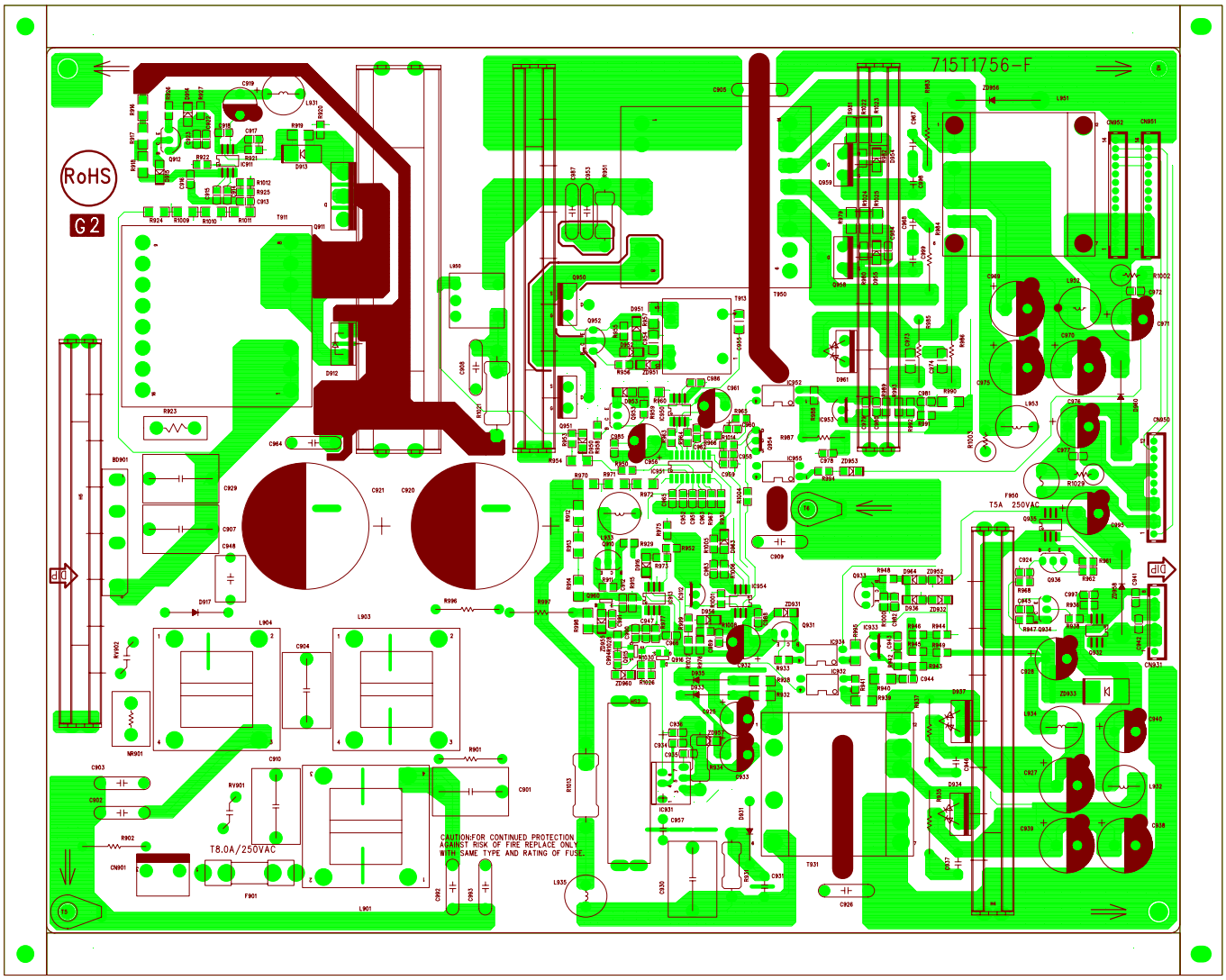
8. PCB LAYOUT

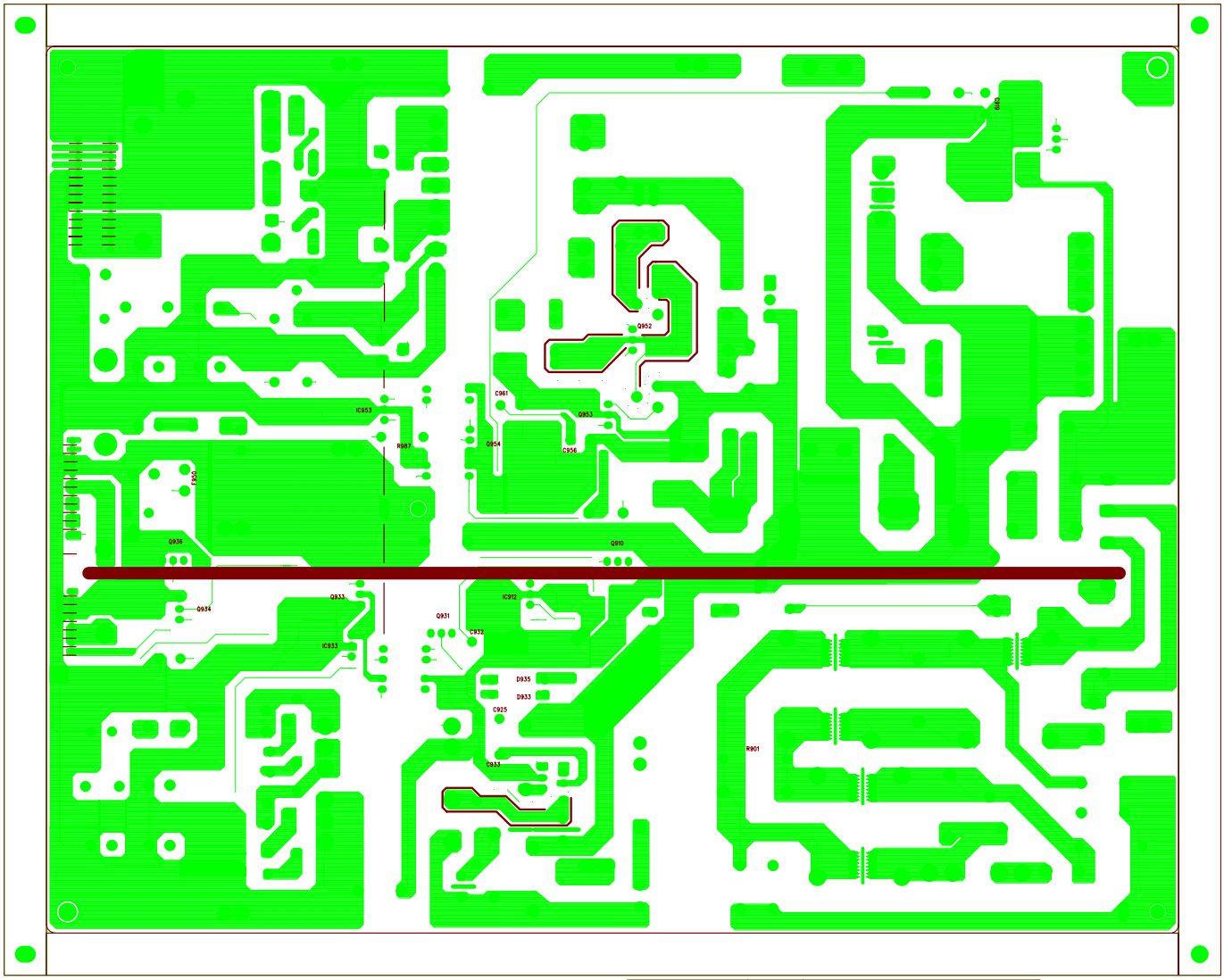
8.1 Main Board



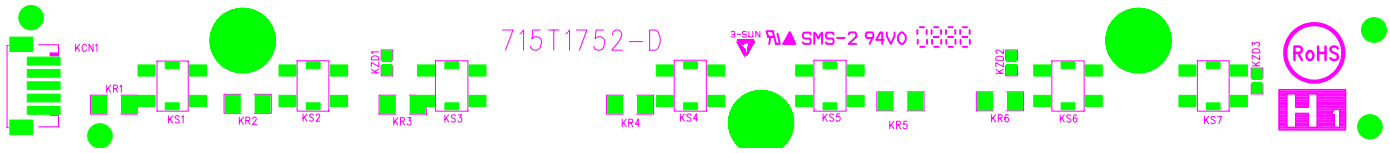

715T1723-J-I
H
715T1723-J
LABEL POSITION
A
RoHS

8.2 Power Board



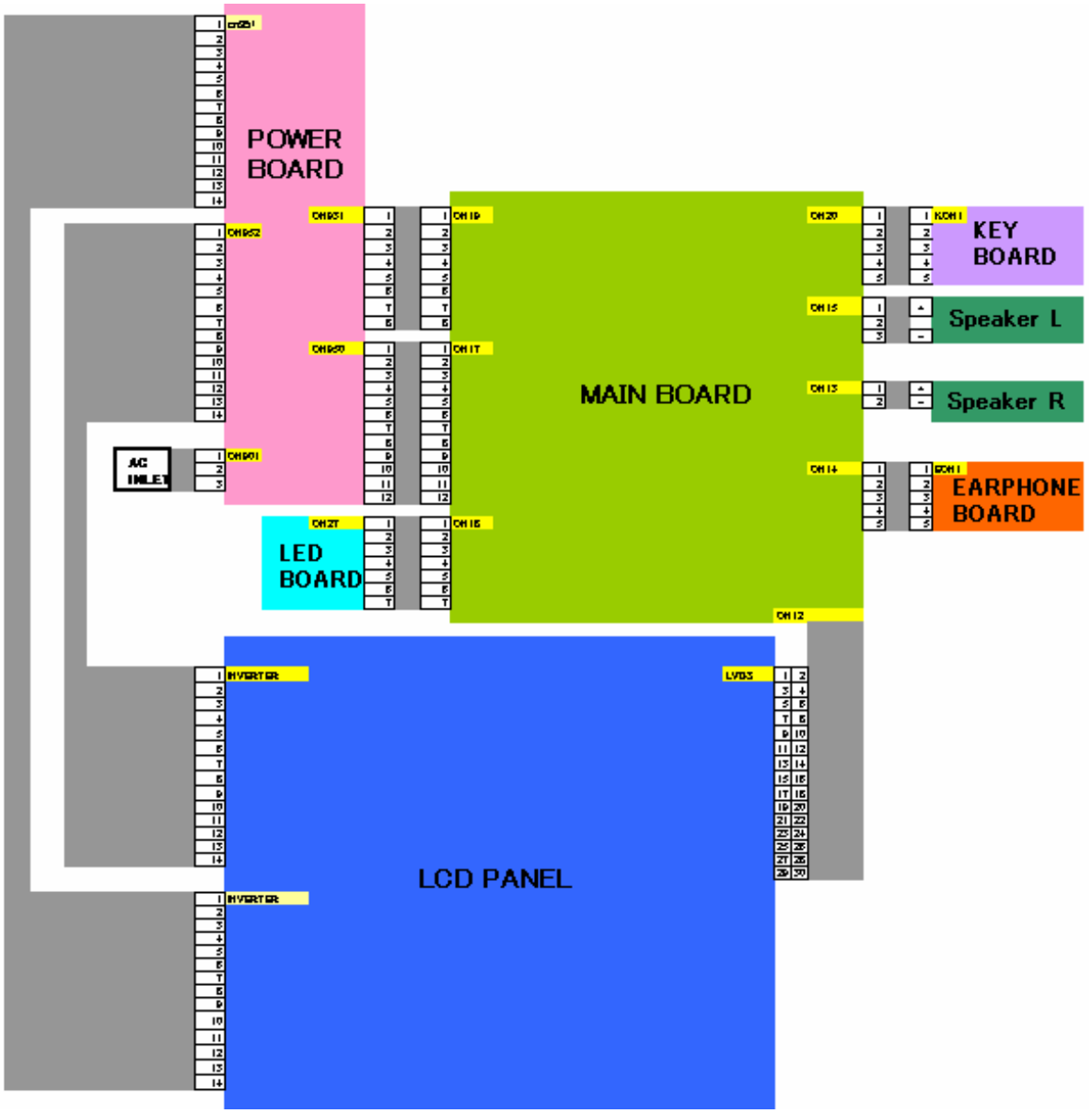


8.3 Key Board


KCN1
KR1
KS1
KR2
KS2
KZD1
KR3
KS3
715T1752-D
KR4
KS4
KS5
KR5
KZD2
KR6
KS6
KS7
KZD3
RoHS

9. Block Diagram

9.1 Main Board



POWER BORAD

CN951	1	17.5V
	2	17.5V
	3	17.5V
	4	17.5V
	5	17.5V
	6	GND
	7	GND
	8	GND
	9	GND
	10	GND
	11	CN 923 #1
	12	CN 923 #11
	13	CN 923 #12
	14	NC

CN952	1	17.5V
	2	17.5V
	3	17.5V
	4	17.5V
	5	17.5V
	6	GND
	7	GND
	8	GND
	9	GND
	10	GND
	11	CN 923 #1
	12	CN 923 #11
	13	CN 923 #12
	14	NC

CN950	1	CN 921 #11
	2	18V for AUDIO
	3	18V for AUDIO
	4	GND
	5	GND
	6	12V for PANEL
	7	12V for PANEL
	8	GND
	9	GND
	10	GND
	11	CN 921 #12
	12	CN 921 #13

CN931	1	PS
	2	5V
	3	5V
	4	5V
	5	GND
	6	GND
	7	GND
	8	5VS

CN901	1	AC L
	2	NC
	3	AC N

MAIN BORAD

CN18	1	GND
	2	5V(STBY)
	3	IR
	4	LED-G1
	5	LED-R1
	6	LED-G2
	7	LED-R2

CN19	1	POWER OFF
	2	5V
	3	5V
	4	5V
	5	GND
	6	GND
	7	GND
	8	5V(STBY)

CN17	1	INV DET
	2	18V-A
	3	18V-A
	4	GND
	5	GND
	6	12V
	7	12V
	8	GND
	9	GND
	10	GND
	11	INV ON
	12	INV ADJ

CN15	1	Audio L+
	2	NC
	3	Audio L-

CN13	1	Audio R+
	2	Audio R-

CN14	1	EAR L
	2	Earphone DET
	3	EAR R
	4	GND
	5	GND

CN20	1	ADC IN2
	2	GND
	3	ADC IN1
	4	GND
	5	POWER KEY

CN12				
3.3V	1	2	NC
NC	3	4	GND
TXRD-	5	6	TXAD+
GND	7	8	TXA1-
TXA1+	9	10	GND
TXA2-	11	12	TXA2+
GND	13	14	TXAC-
TXAC-	15	16	GND
TXA3-	17	18	TXA3+
GND	19	20	NC
3.3V	21	22	3.3V
GND	23	24	GND
GND	25	26	PVDD
PVDD	27	28	PVDD
PVDD	29	30	PVDD

LED BOARD

CN27	1	GND
	2	VCC
	3	V OUT
	4	GREEN
	5	RED
	6	LED G
	7	LED R

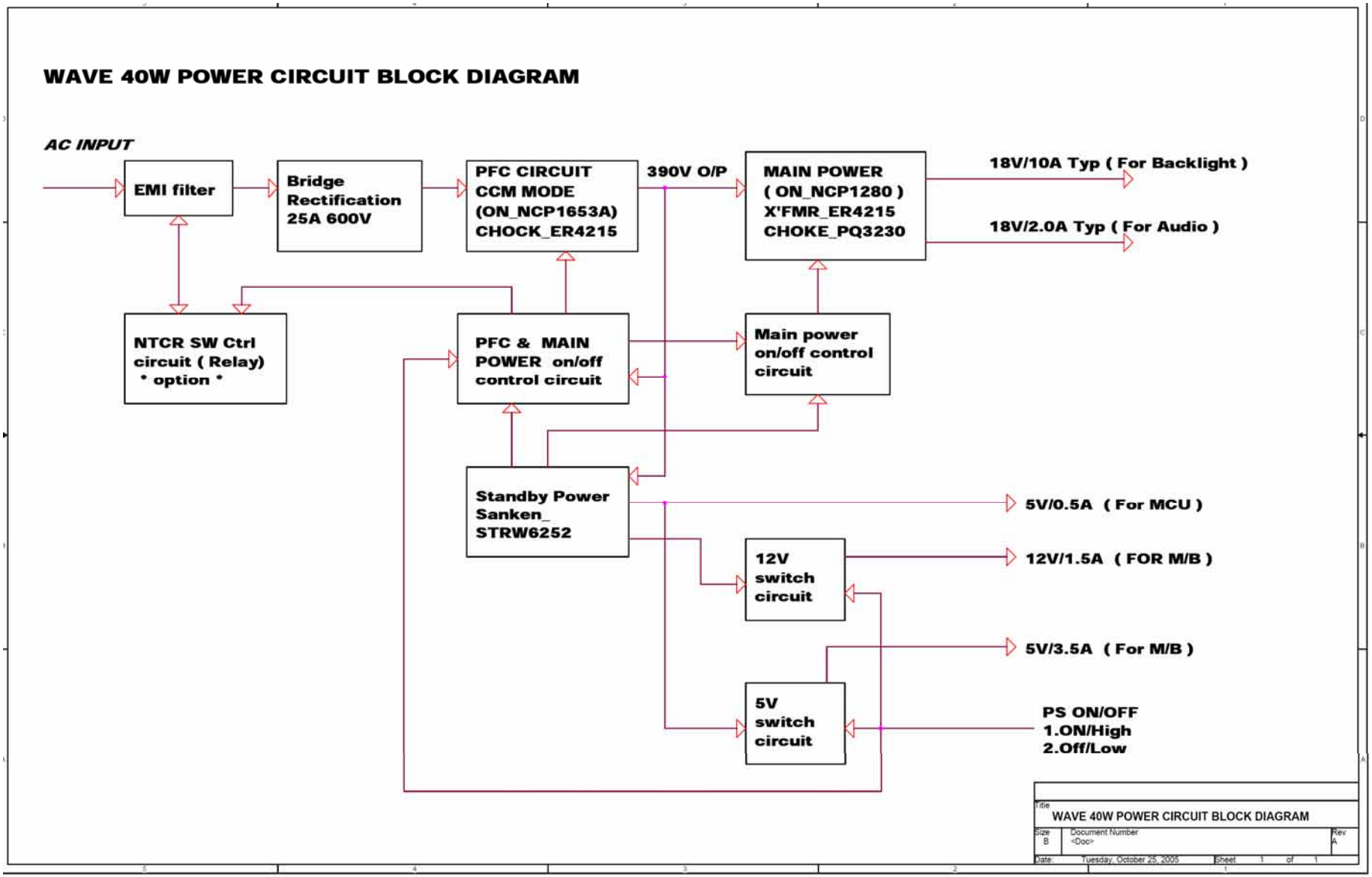
KEY BOARD

KCN1	1	ADC IN2
	2	GND
	3	ADC IN1
	4	GND
	5	POWER

EARPHONE BOARD

ECN1	1	Earphone L
	2	Earphone DET
	3	Earphone R
	4	GND
	5	GND

9.2 Power Board

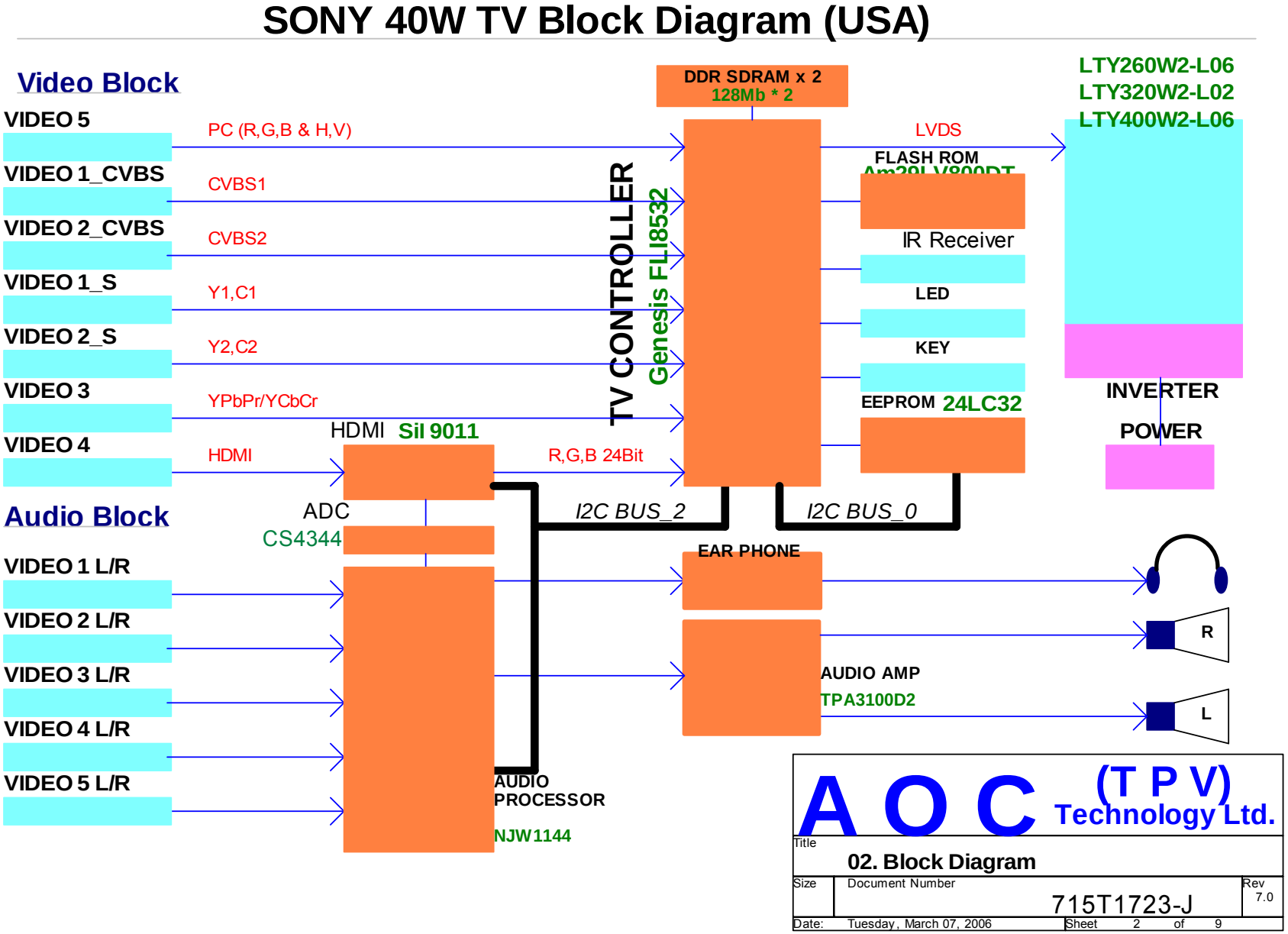

WAVE 40W POWER CIRCUIT BLOCK DIAGRAM
AC INPUT
EMI filter
Bridge Rectification 25A 600V
PFC CIRCUIT CCM MODE (ON_NCP1653A) CHOCK_ER4215
390V O/P
MAIN POWER (ON_NCP1280) X'FMR_ER4215 CHOKE_PQ3230
18V/10A Typ (For Backlight)
18V/2.0A Typ (For Audio)
NTCR SW Ctrl circuit (Relay) * option *
PFC & MAIN POWER on/off control circuit
Main power on/off control circuit
Standby Power Sanken_ STRW6252
5V/0.5A (For MCU)
12V switch circuit
12V/1.5A (FOR M/B)
5V/3.5A (For M/B)
5V switch circuit
PS ON/OFF
1.ON/High
2.Off/Low
Title
WAVE 40W POWER CIRCUIT BLOCK DIAGRAM
Size B
Document Number <Doc>
Rev A
Date: Tuesday, October 25, 2005
Sheet 1 of 1

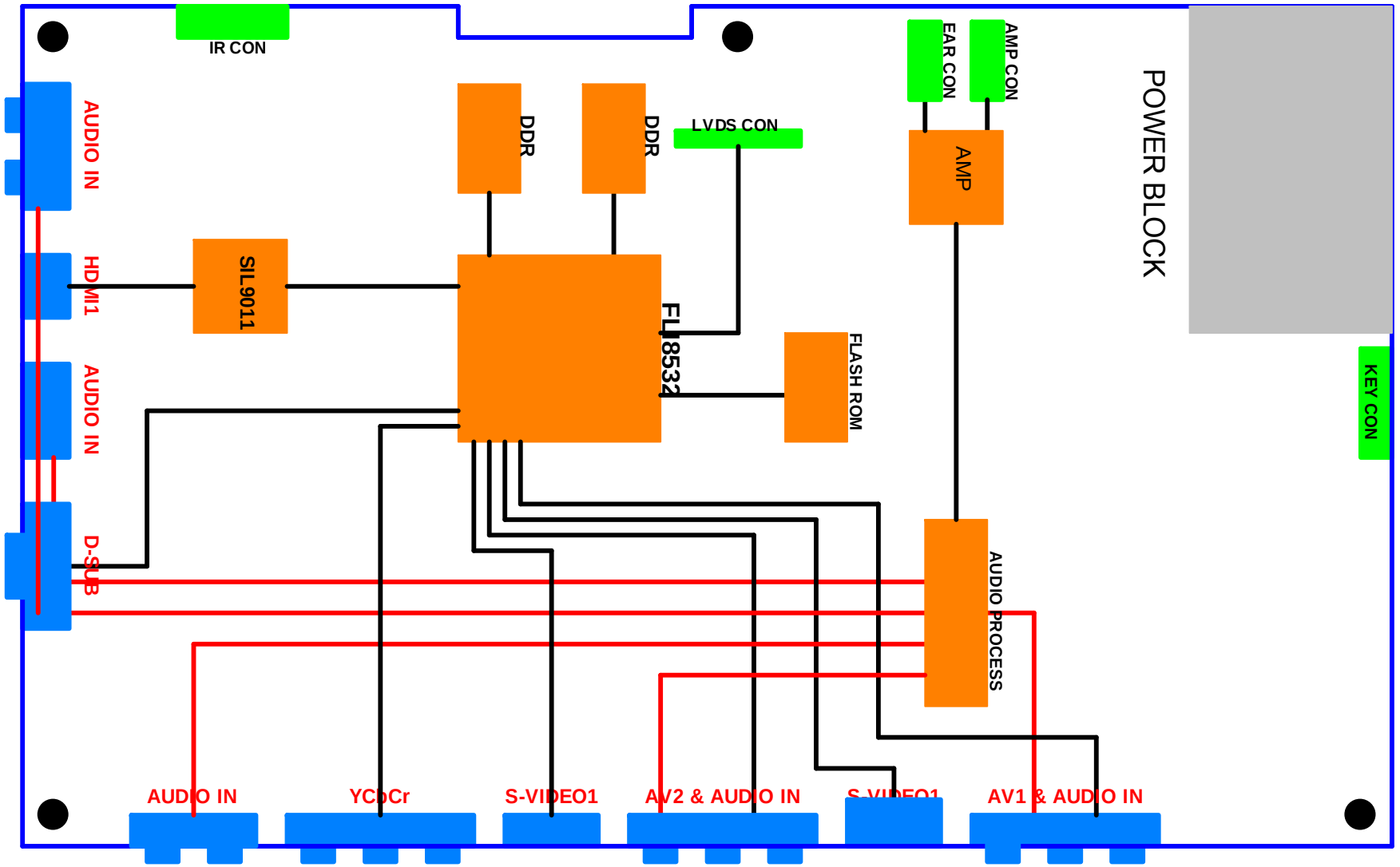
10. Exploded View

序号	品名	料号
18	LENS	033T4961 1 C GP
17	MAINFRAME	015T6326 1 GP
16	BKT-LINK	015T6330 1 GP
15	COVER STAND	033T4960 UD A GP
14	BKT-BASE	015T6332 1 GP
13	BASE	034T1781 UC A GP
12	STAND	020T6024 1 GP
11	BKT-STAND	015T6331 1 GP
10	CLIP CABLE	033T4832 UD A GP
9	REAR COVER	034T1780 UD A GP
8	BKT-TOP	015T6329 1 GP
7	BUTTON-FUNC	033T4957 UE A GP
6	KEY PLATE	W33T4956CUD A GP
5	SHIELD	085T6150 1 GP
4	BKT-I/O	015T6333 1 GP
3	BKT-MAIN	015T6327 1 GP
2	BKT-SIDE	015T6328 1 GP
1	BEZEL	034T1779BUC A GP

11. Schematic Diagram

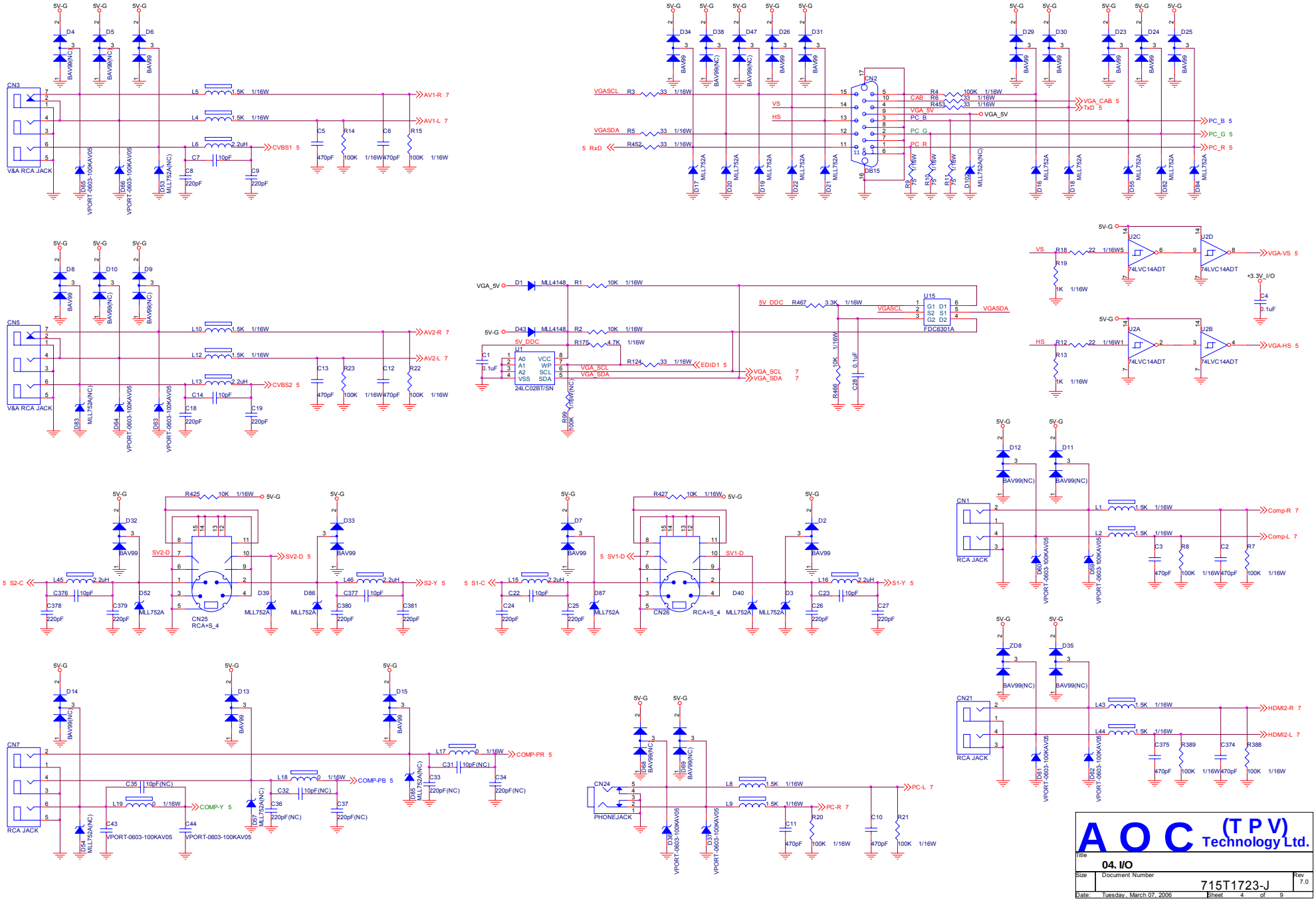
11.1 Main Board





AOC (TPV) Technology Ltd.

Title: 03. Placement		
Size	Document Number: 715T1723-J	Rev: 7.0
Date: Tuesday, March 07, 2006	Sheet 3 of 9	



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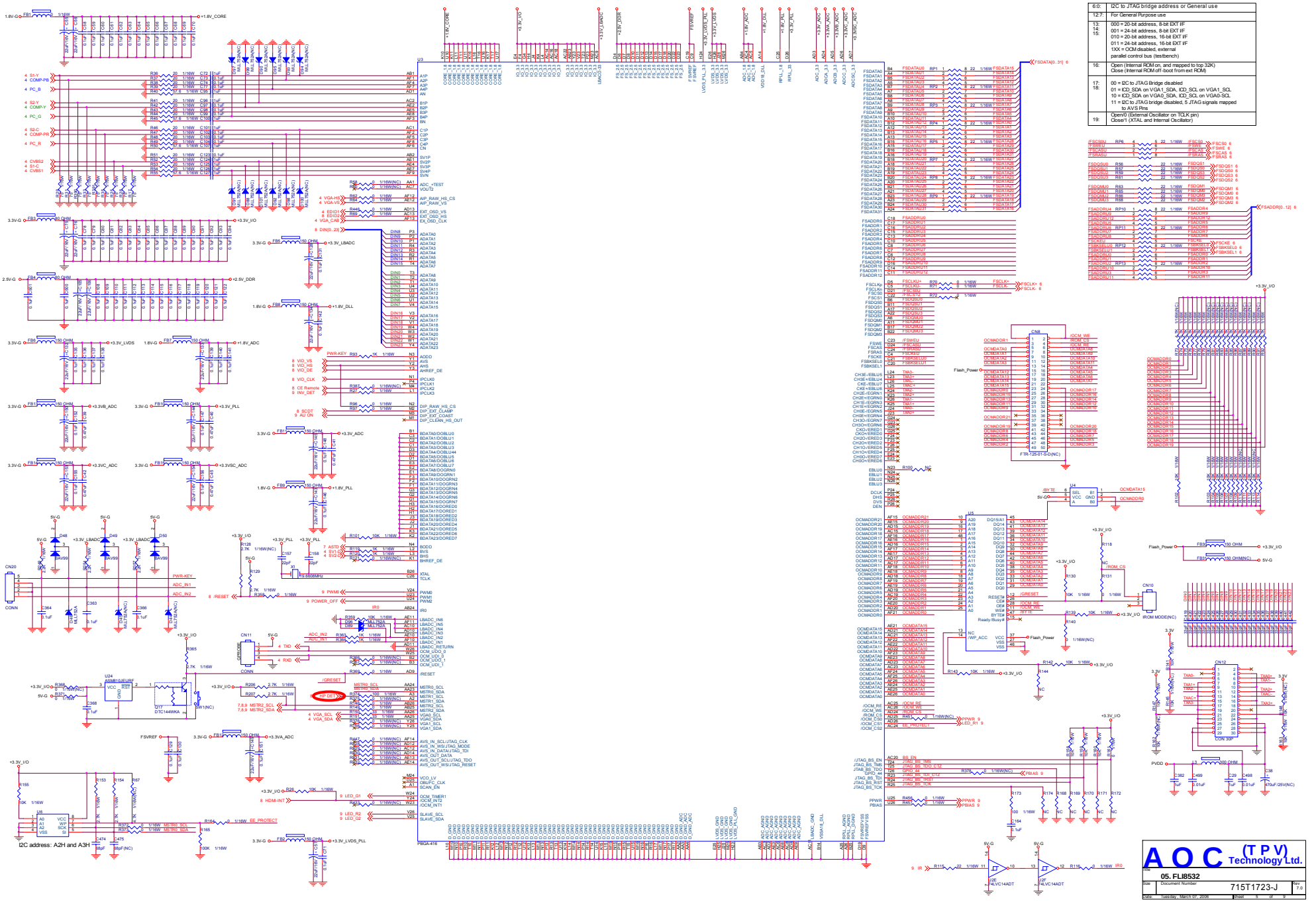
Size	Document Number: 715T1723-J
Rev	7.0
Date:	Tuesday , March 07, 2006
Sheet	4 of 9

AOC (T P V) Technology Ltd.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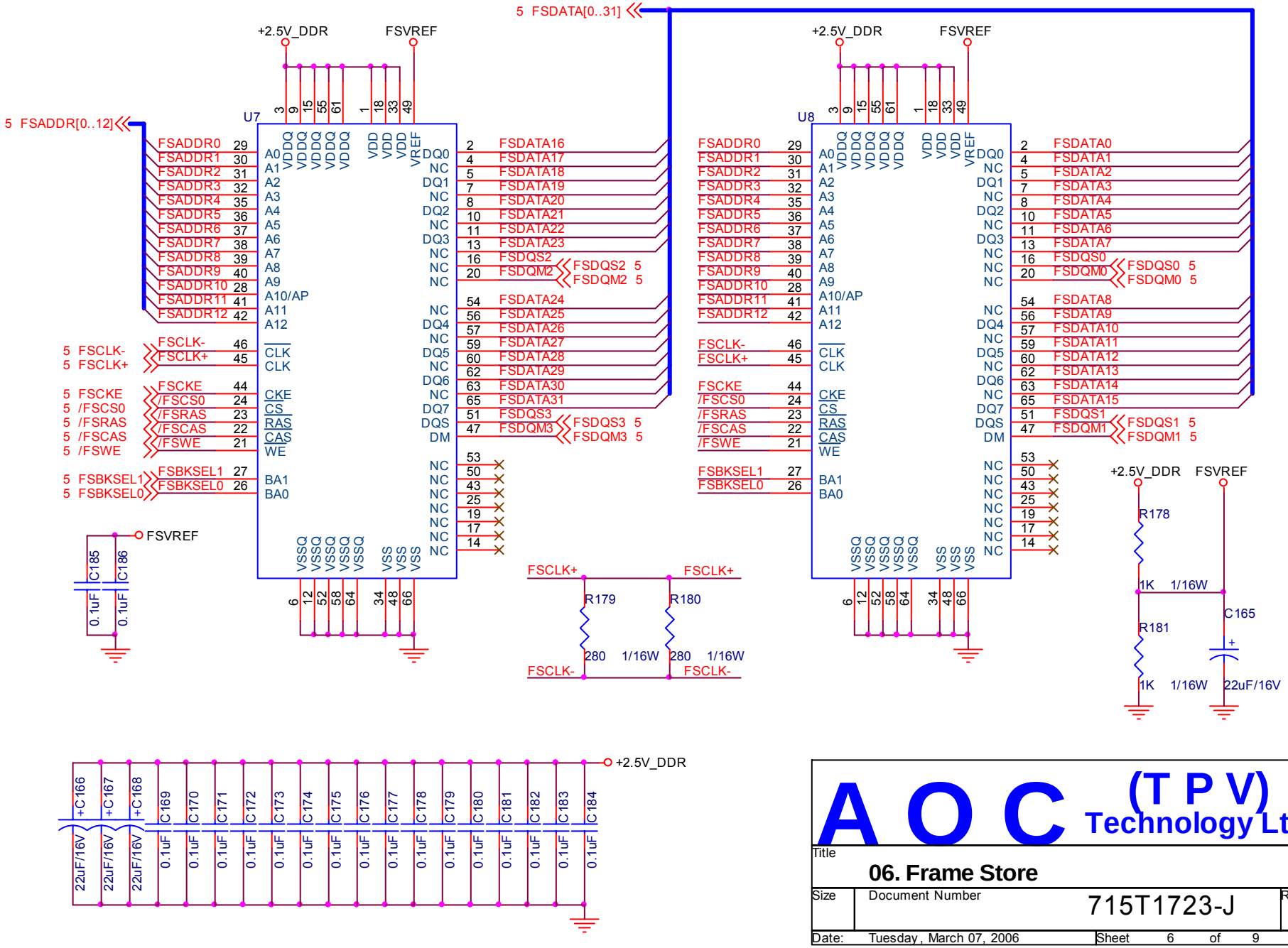
AOC (T P V) Technology Ltd.
05. FLI8532
715T1723-J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FSVREF
U7
U8
5 FSADDR[0..12]
FSADDR0 FSADDR1 FSADDR2 FSADDR3 FSADDR4 FSADDR5 FSADDR6 FSADDR7 FSADDR8 FSADDR9 FSADDR10 FSADDR11 FSADDR12
5 FSCLK-
5 FSCLK+
FSCLK- FSCLK+
5 FSCKE
5 /FSCS0
5 /FSRAS
5 /FSCAS
5 /FSWE
5 FSBKSEL1
5 FSBKSEL0
FSDATA0 FSDATA1 FSDATA2 FSDATA3 FSDATA4 FSDATA5 FSDATA6 FSDATA7 FSDATA8 FSDATA9 FSDATA10 FSDATA11 FSDATA12 FSDATA13 FSDATA14 FSDATA15 FSDATA16 FSDATA17 FSDATA18 FSDATA19 FSDATA20 FSDATA21 FSDATA22 FSDATA23 FSDATA24 FSDATA25 FSDATA26 FSDATA27 FSDATA28 FSDATA29 FSDATA30 FSDATA31
FSDQS0 FSDQS1 FSDQS2 FSDQS3
FSDQM0 FSDQM1 FSDQM2 FSDQM3
C185 C186 0.1uF
R178 1K 1/16W
R179 R180 280 1/16W
R181 1K 1/16W
C165 22uF/16V
+C166 +C167 +C168 22uF/16V
C169 C170 C171 C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C184 0.1uF

AOC (TPV) Technology Ltd.		
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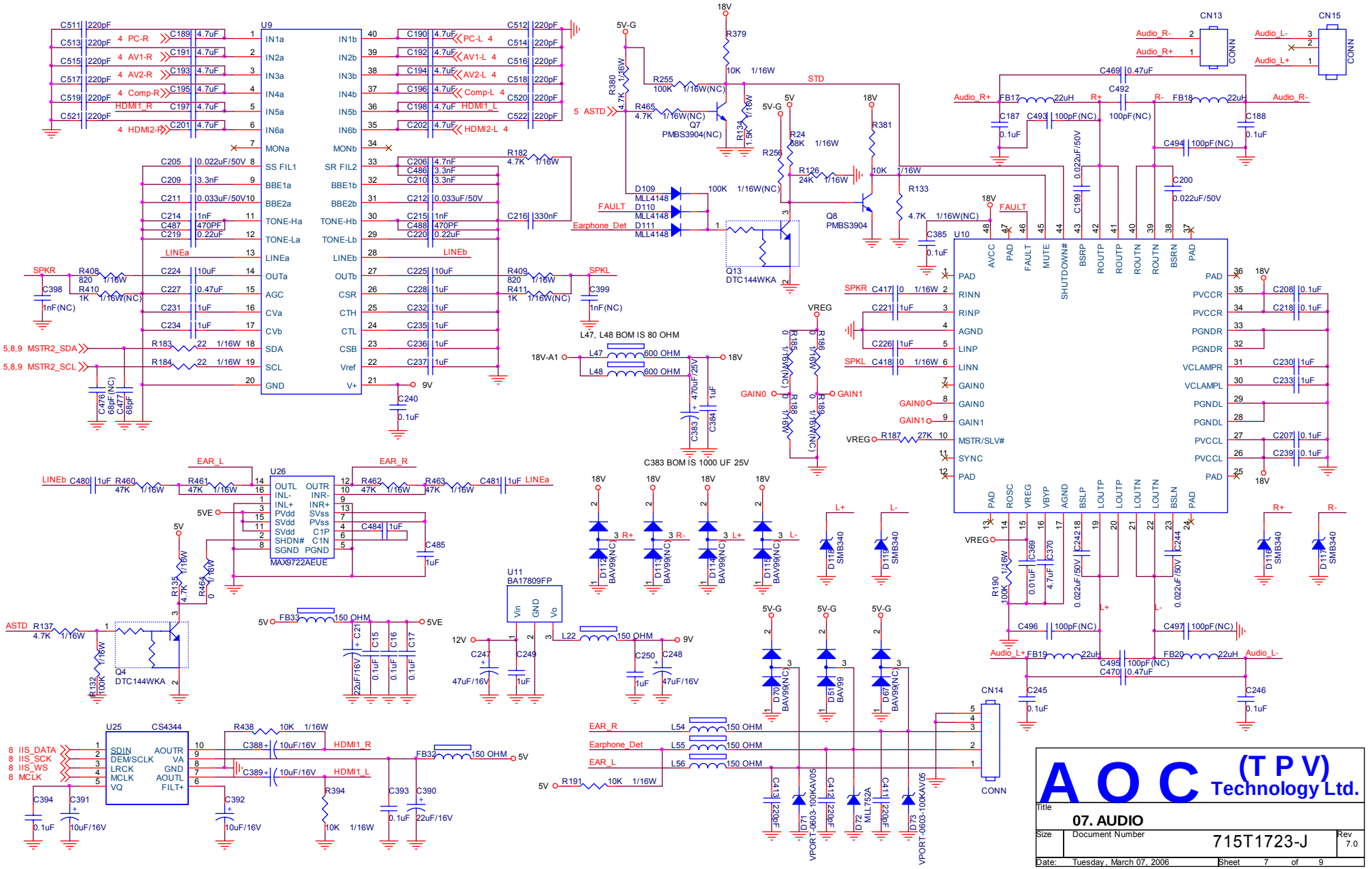
Size	Document Number: 715T1723-J	Rev: 7.0
Date: Tuesday, March 07, 2006	Sheet 6 of 9	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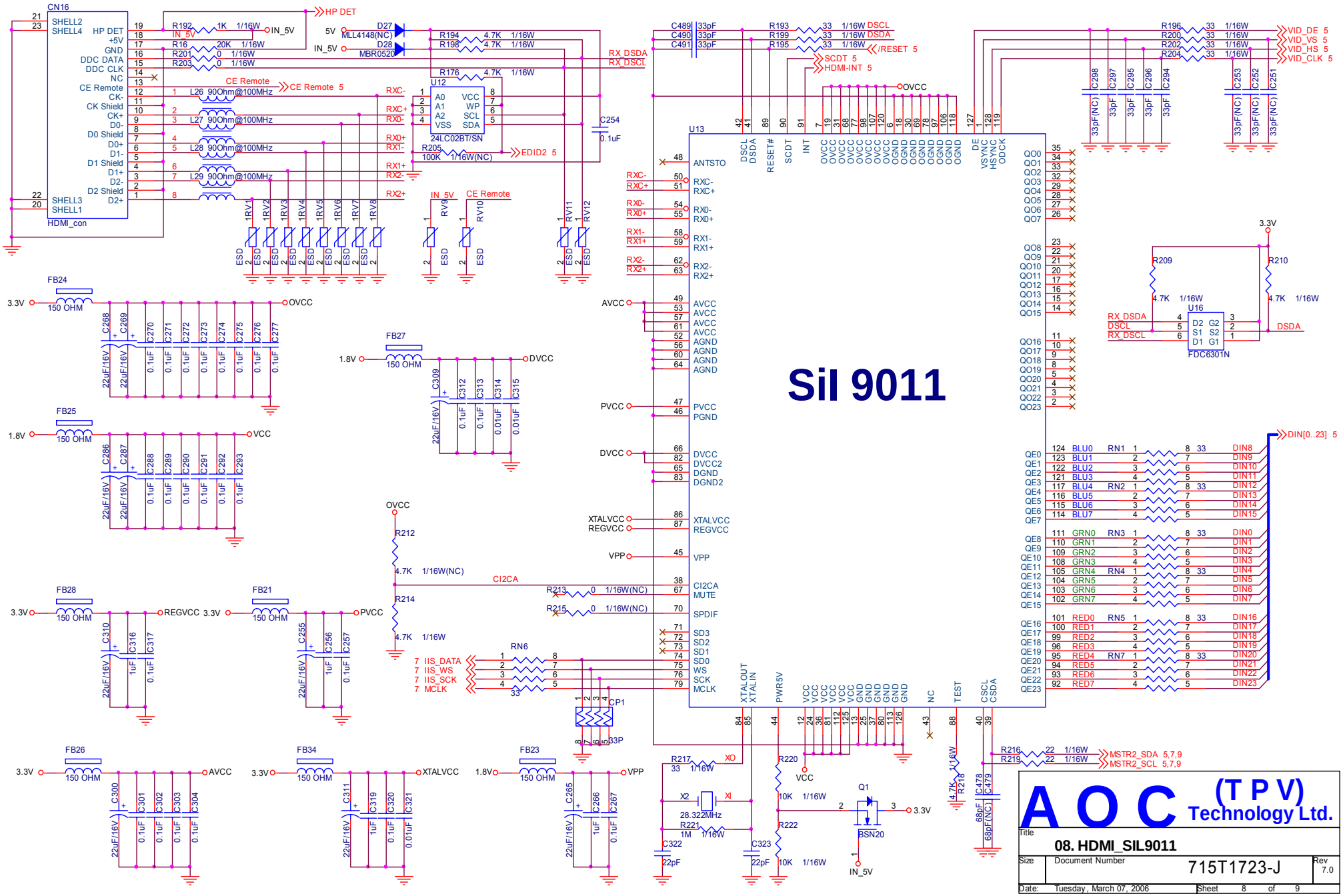
MAX9722AEUE
U26
CS4344
U25
BA17809FP
U11
U10
CN13
CN15
CN14
CONN
Q4 DTC144WKA
Q7 PMBS3904(NC)
Q8 PMBS3904
Q13 DTC144WKA
L47, L48 BOM IS 80 OHM
C383 BOM IS 1000 UF 25V
AOC (T P V) Technology Ltd.
Title
07. AUDIO
Size
Document Number
715T1723-J
Rev 7.0
Date: Tuesday, March 07, 2006
Sheet 7 of 9


Sil 9011
CN16
HDMI_con
U13
U12
24LC02BT/SN
U16
FDC6301N
AOC (TPV) Technology Ltd.
Title
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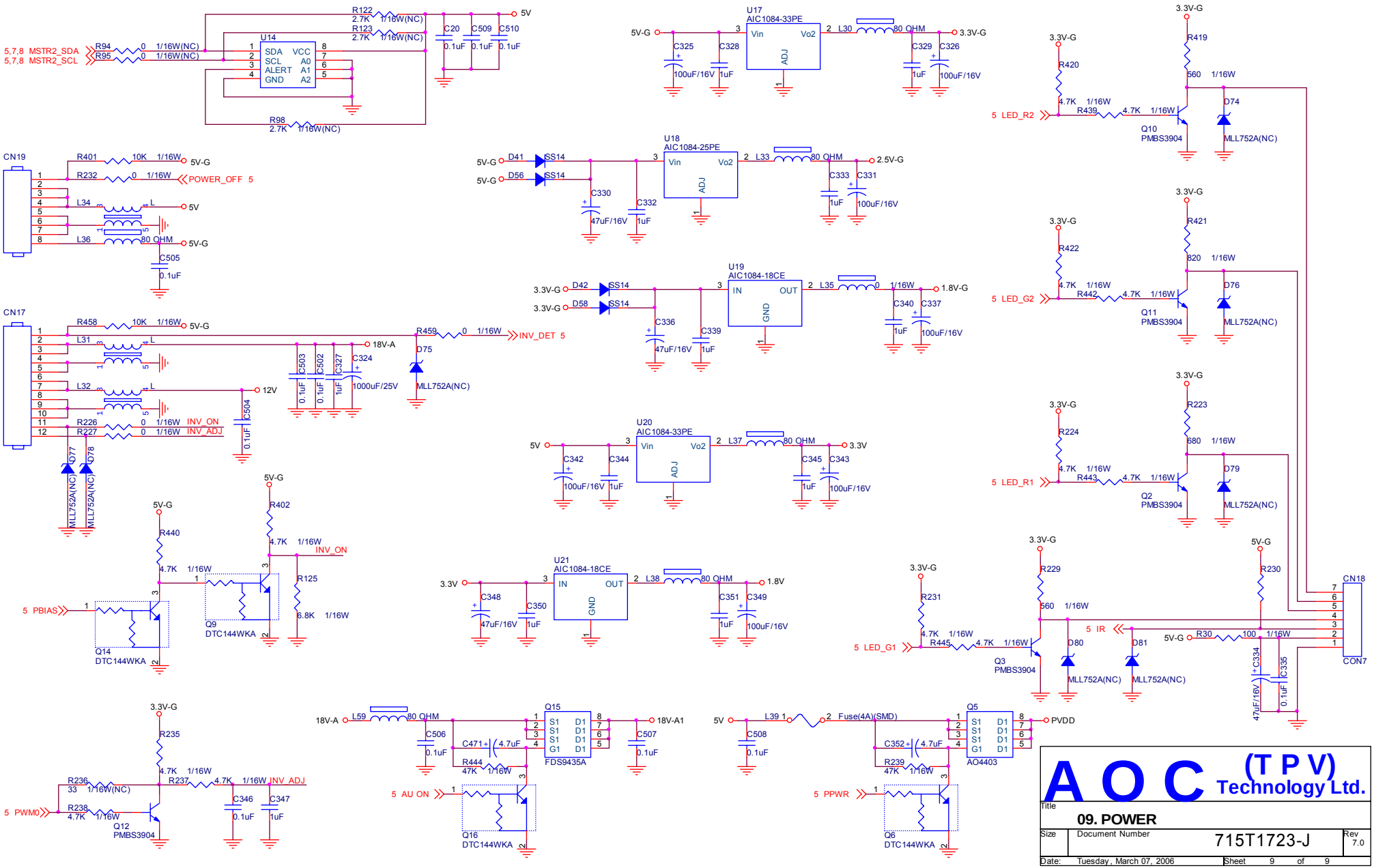
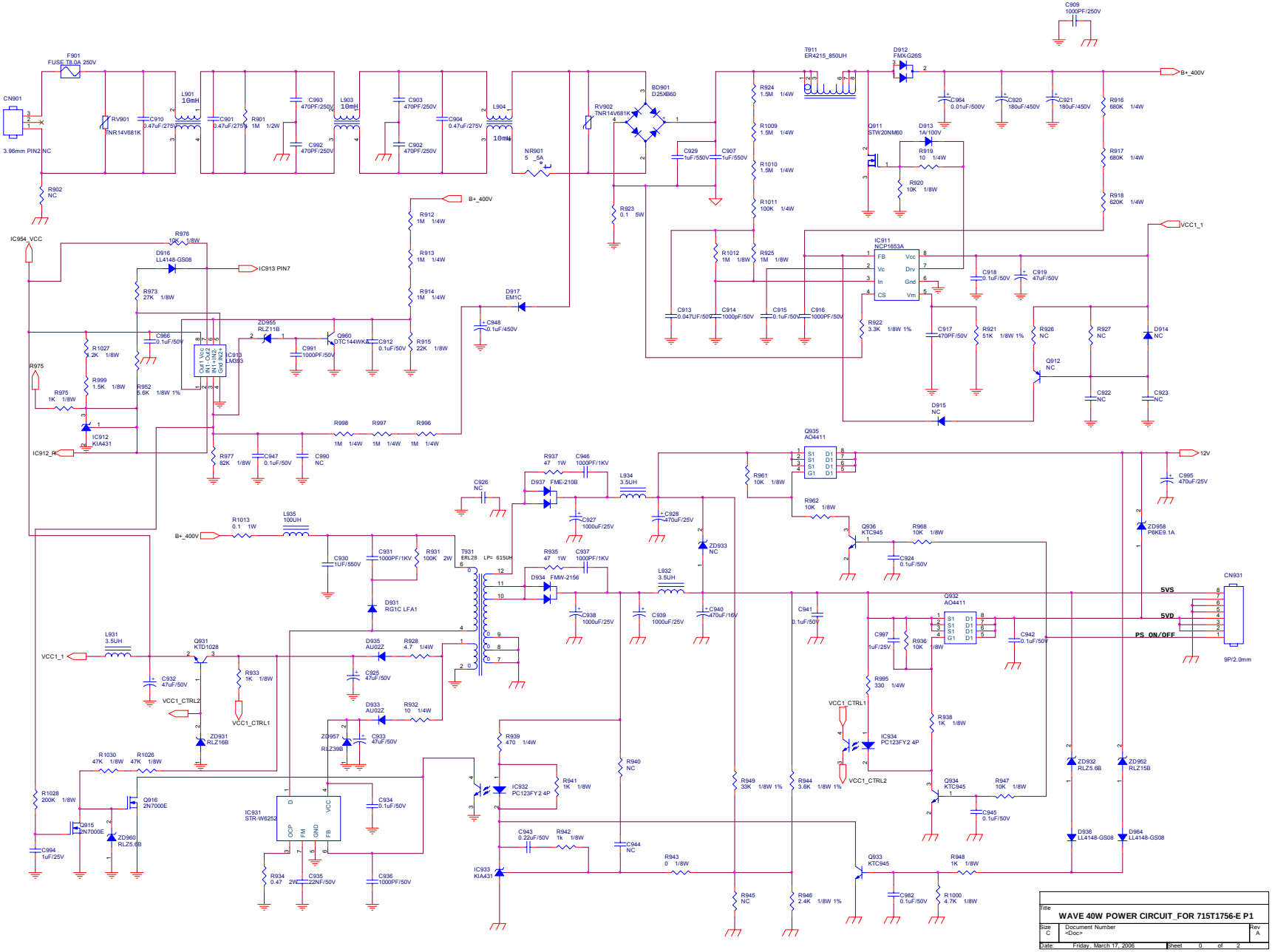
Size
Document Number
715T1723-J
Rev
7.0
Date: Tuesday, March 07, 2006
Sheet 8 of 9

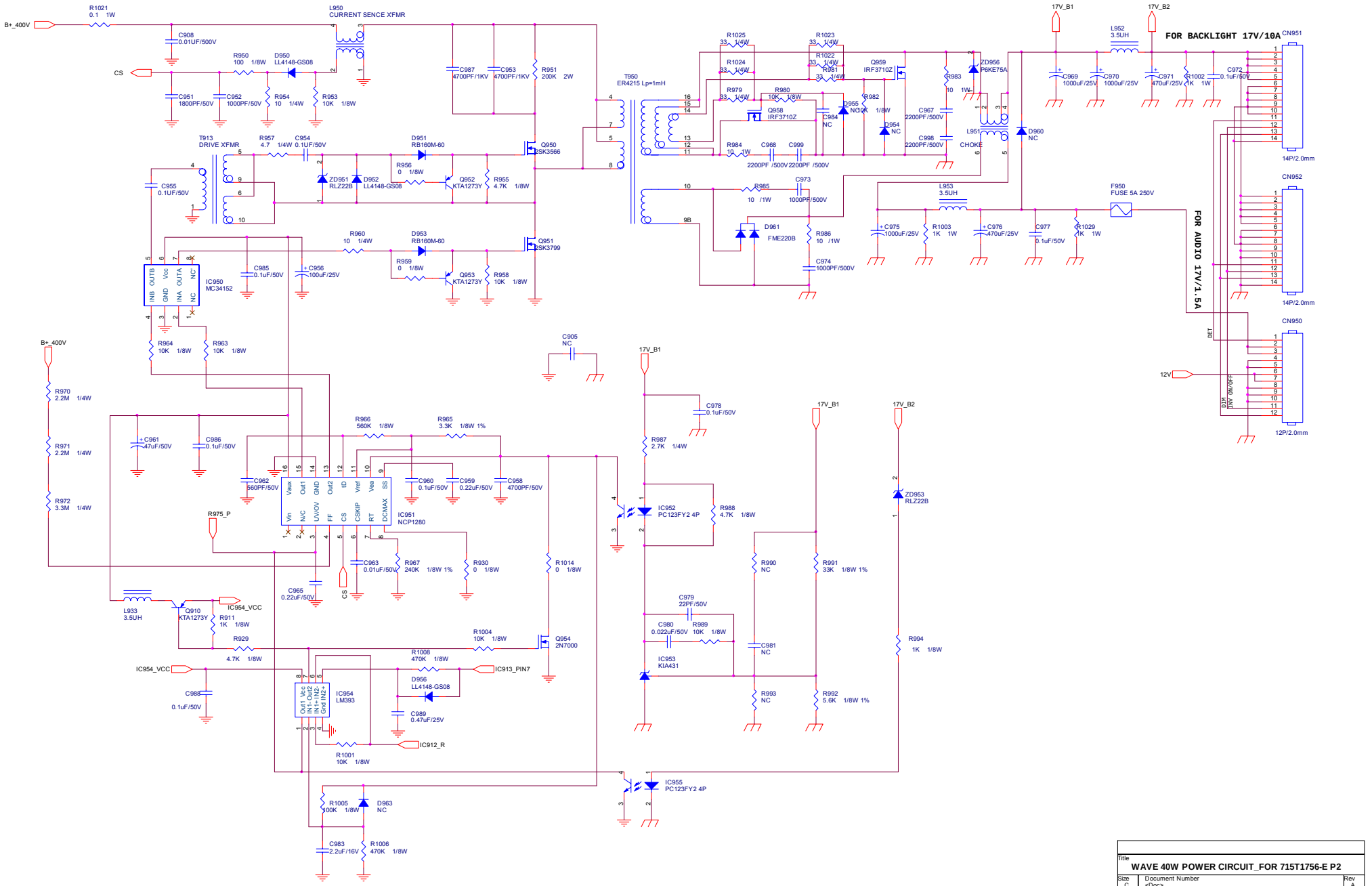


AOC (T P V) Technology Ltd.

Title	09. POWER	
Size	Document Number 715T1723-J	Rev 7.0
Date: Tuesday, March 07, 2006	Sheet 9 of 9	

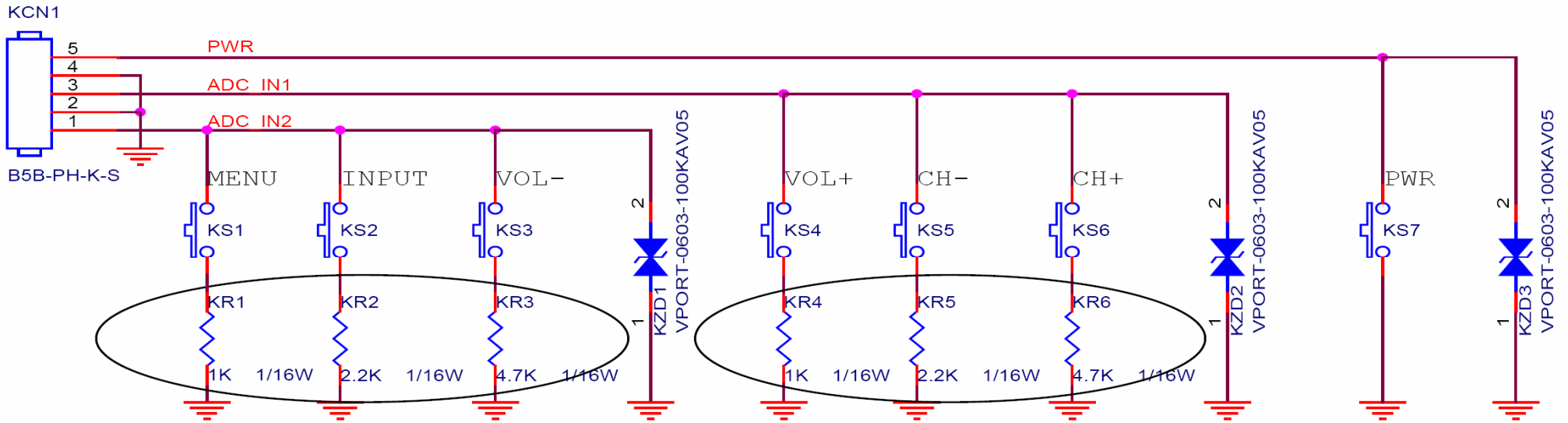
11.2 Power Board



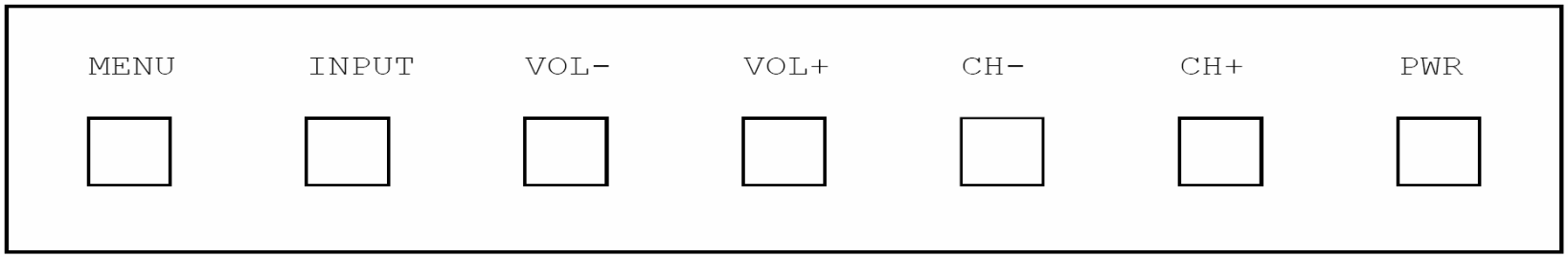


Title	WAVE 40W POWER CIRCUIT_FOR 715T1756-E P2
Size C / Document Number <Doc> / Rev A	
Date: Friday, March 17, 2006	Sheet 0 of 2

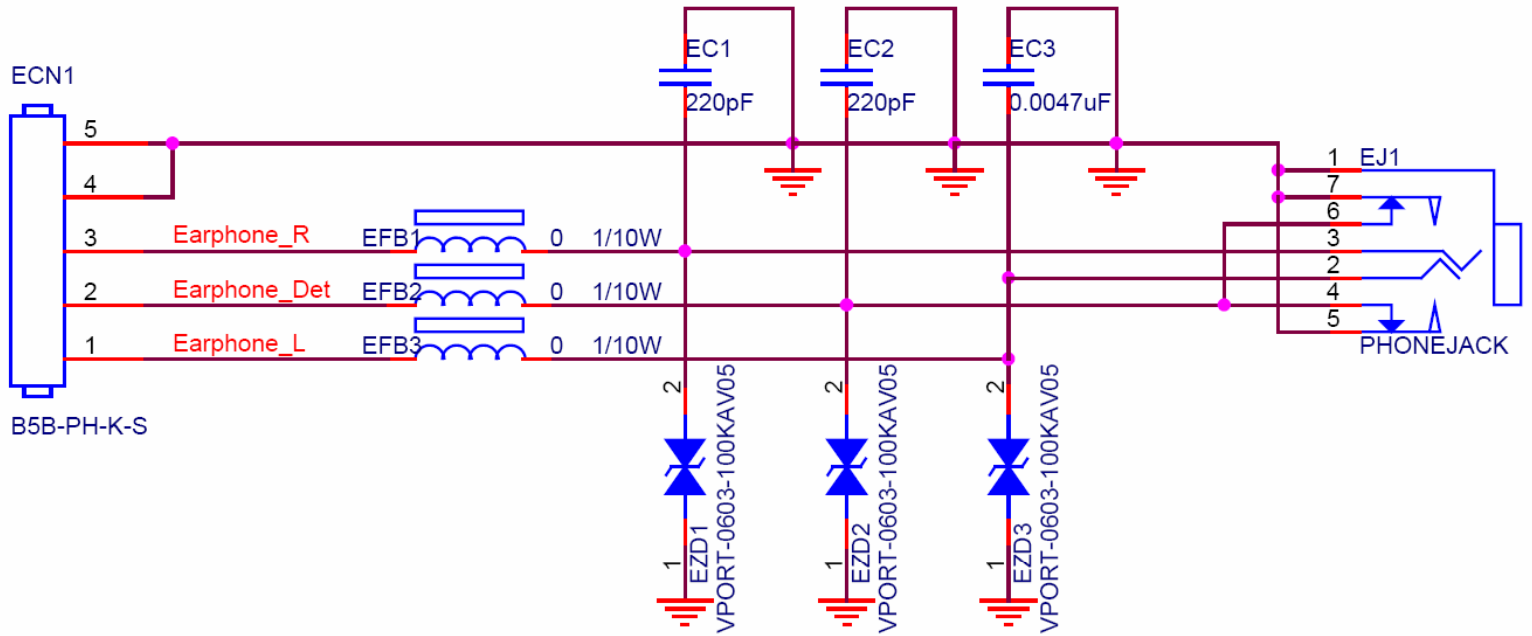
11.3 Key Board



FOOTPRINT 0603э 1206



11.4 Earphone Board



AOC (TPV) Technology Ltd.		
Title: EAR PHONE		
Size	Document Number: SONY TV	Rev: 1.0
Date: Monday, October 17, 2005	Sheet 1 of 1	

12. Wiring Diagram